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CATALOGUE NO. 7. AUGUST 1873

# Illustrated Catalogue

AND

PRICE LIST

OF

## CARPENTERS' TOOLS.

### J. B. SHANNON,

1009 MARKET STREET,

PHILADELPHIA, PENN'A.

PHILADELPHIA:

McCALLA & STAVELY, PRINTERS, 231-2 DOCK STREET.

1873

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## **CARPENTERS' TOOLS.**

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**J. B. SHANNON,**

**1009 MARKET STREET,**

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McCALLA & STAVELY, PRINTERS. 237-9 DOCK STREET.

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1967

AUGUST, 1878.

We have the pleasure of presenting to you a large Illustrated Catalogue and Price List of Carpenters' Tools.

The recent extensive enlargement of our Store has enabled us to greatly increase the variety and quality of our stock.

The Tools quoted in this Catalogue are of the very best makes, consisting of Disston's Celebrated Saws, Veit's hand-made Planes, Bailey's Patent Adjustable Planes, Butcher's and Greave's English Chisels and Plane Irons, Pugh's Boring Tools, Beatty's Hatchets, Barber's and Spofford's Braces taking any size bit without fitting.

All goods except by arrangement will be sent by express. Collect on delivery, otherwise the money must accompany the order.

Endeavoring always to keep the price low and the quality good,

A continuance of your favors respectfully solicited.

J. B. SHANNON,

*1009 Market Street,*

PHILADELPHIA, PA.

---

Prices subject to the fluctuations of the market.

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Large Illustrated Catalogues and Price Lists of Builders' Hardware, Bell Hangers and Locksmiths' Materials, Door Springs, Spring and Pivot Hinges, given or sent on application.

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# CATALOGUE.

## DISSTON & SONS' WARRANTED CAST STEEL, PATENT GROUND AND TEMPERED SAWS.

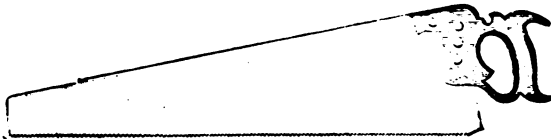
A NO. 1.—26 INCH HAND AND PANEL SAWS, 7 to 11 TEETH.



- No. 7. "Disston & Sons'" Cast Steel, warranted, Beech  
Handle, Polished Edges, 4 Rivets, . . . each, \$1 75
- No. 8. "Disston & Sons'" Spring Steel, warranted,  
Apple Handle, Polished Edges, 4 Rivets, . . . " 2 25
- No. 9. "Disston & Sons' Extra" London Spring, war-  
ranted Apple Handle, Polished Edges, 4 Rivets, . . . " 2 50
- No. 12. "Disston & Sons'" *Extra Refined London Spring*,  
Selected and Highly Polished Blades, Handle Carved  
and Polished, 4 Raised Brass Screws and Steel  
Washers. This is the finest Hand Saw manufactured. " 3 50

—:O:—

## DISSTON & SONS' WARRANTED CAST STEEL PATENT GROUND AND TEMPERED RIP SAWS, 4 to 6 TEETH.



- No. 7. "Disston & Sons'" Cast Steel, warranted, Beech  
Handle, Polished Edges, 4 Rivets, 28 inch, . . . each, 2 25  
do. do. do. 30 inch, . . . " 2 50
- No. 8. "Disston & Sons'" Spring Steel, warranted,  
Apple Handle, Polished Edges, 4 Rivets, 28 inch, . . . " 2 50  
do. do. do. 30 inch, . . . " 2 75
- No. 9. "Disston & Sons' Extra" London Spring, war-  
ranted, Apple Handle, Polished Edges, 4 Rivets, 28  
inch, . . . . . " 3 25

## GENTLEMEN'S PANEL SAWS.

## Brown, No. 3.

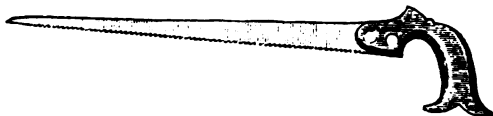
|                   |                     |                     |                     |                     |
|-------------------|---------------------|---------------------|---------------------|---------------------|
| 16 inch,<br>90 c. | 18 inch,<br>\$1 00. | 20 inch,<br>\$1 10. | 22 inch,<br>\$1 25. | 24 inch,<br>\$1 35. |
|-------------------|---------------------|---------------------|---------------------|---------------------|

## Disston &amp; Sons', No. 7.

|                     |                     |                     |                     |                     |
|---------------------|---------------------|---------------------|---------------------|---------------------|
| 16 inch,<br>\$1 35. | 18 inch,<br>\$1 40. | 20 inch,<br>\$1 50. | 22 inch,<br>\$1 75. | 24 inch,<br>\$1 75. |
|---------------------|---------------------|---------------------|---------------------|---------------------|

—:O:—

## CAST STEEL COMPASS SAWS.



|                                 |                   |                   |                   |                   |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|
| Apple Handle, 10 inch,<br>45 c. | 12 inch,<br>50 c. | 14 inch,<br>55 c. | 16 inch,<br>60 c. | 18 inch,<br>65 c. |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|

Duplicate Blades on hand.

—:O:—

## IMPROVED QUALITY OF BACK SAWS.



No. 1. Jackson's Cast Steel, Plain Burr, Beech Handle, Polished Edge, Blue Back.

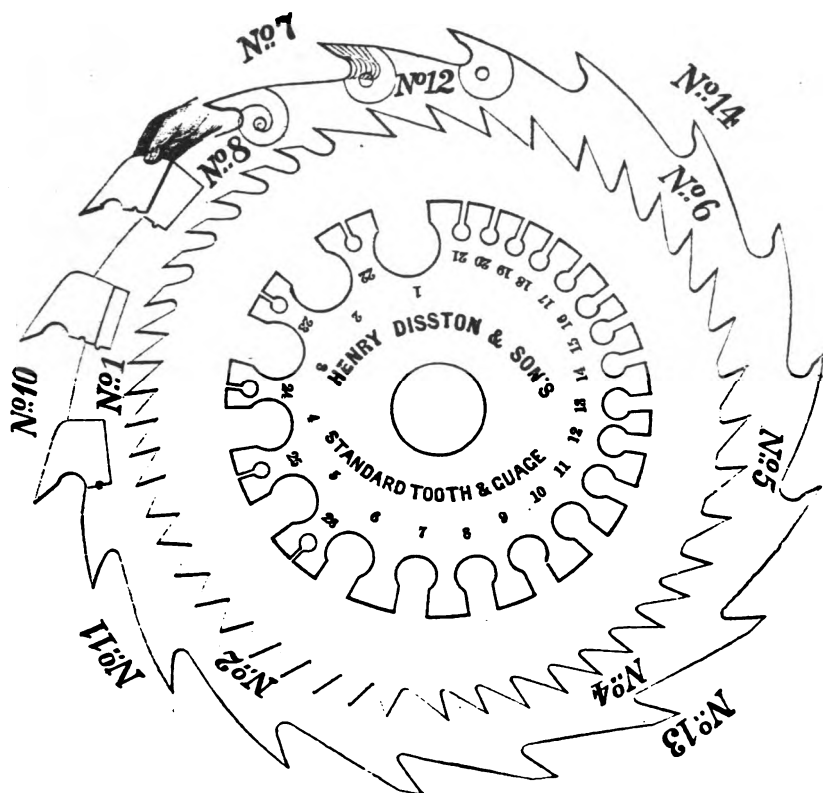
|                    |                     |                     |                     |                     |
|--------------------|---------------------|---------------------|---------------------|---------------------|
| 8 inch,<br>\$1 00. | 10 inch,<br>\$1 10. | 12 inch,<br>\$1 20. | 14 inch,<br>\$1 40. | 16 inch,<br>\$1 60. |
|--------------------|---------------------|---------------------|---------------------|---------------------|

No. 4. Disston &amp; Sons' Cast Steel, Plain Burr, Apple Handle, Polished Edge, Blue Back.

|                    |                     |                     |                     |                     |
|--------------------|---------------------|---------------------|---------------------|---------------------|
| 8 inch,<br>\$1 45. | 10 inch,<br>\$1 50. | 12 inch,<br>\$1 75. | 14 inch,<br>\$2 10. | 16 inch,<br>\$2 35. |
|--------------------|---------------------|---------------------|---------------------|---------------------|

No. 5. Disston &amp; Sons' Cast Steel, Plain Burr, Apple Handle, Polished Edge, Brass Back.

|                    |                     |                     |                     |                     |
|--------------------|---------------------|---------------------|---------------------|---------------------|
| 8 inch,<br>\$1 85. | 10 inch,<br>\$1 90. | 12 inch,<br>\$2 25. | 14 inch,<br>\$2 50. | 16 inch,<br>\$2 85. |
|--------------------|---------------------|---------------------|---------------------|---------------------|



The above illustration represents the various styles and sizes of Saw Teeth; also, the Standard Gauge. By consulting it, a person will be enabled to inform us the size and style of tooth, and also the gauge of any saw he may desire.

#### STANDARD GAUGE.

|                  |                           |                  |                            |
|------------------|---------------------------|------------------|----------------------------|
| Gauge No. 4..... | $\frac{1}{4}$ inch scant. | Gauge No. 9..... | $\frac{5}{16}$ inch scant. |
| " " 5.....       | $\frac{3}{8}$ "           | " " 10.....      | $\frac{1}{2}$ " full.      |
| " " 6.....       | $\frac{1}{2}$ " full.     | " " 11.....      | $\frac{5}{8}$ " scant.     |
| " " 7.....       | $\frac{3}{4}$ " scant.    | " " 12.....      | $\frac{3}{4}$ " full.      |
| " " 8.....       | $\frac{7}{8}$ "           |                  |                            |

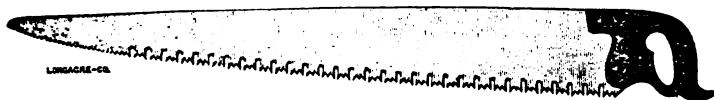
**PATENT GROUND AND TEMPERED CIRCULAR SAWS,**  
Of Extra Quality, Superior Workmanship, and Guaranteed as per Warranty.

| Diameter.   | Thickness.    | Size of Hole. | Price Each. | Extra for Each<br>Additional Gauge. | Prices for Beveling. |
|-------------|---------------|---------------|-------------|-------------------------------------|----------------------|
| 4 inch..... | 19 gauge..... | .....         | \$0 85..... | \$0 06                              |                      |
| 5 ".....    | 19 ".....     | .....         | 1 00.....   | 7                                   |                      |
| 6 ".....    | 18 ".....     | .....         | 1 25.....   | 9                                   |                      |
| 7 ".....    | 18 ".....     | .....         | 1 50.....   | 10                                  |                      |
| 8 ".....    | 18 ".....     | .....         | 1 75.....   | 11                                  |                      |
| 9 ".....    | 17 ".....     | .....         | 2 25.....   | 14                                  |                      |
| 10 ".....   | 16 ".....     | .....         | 2 75.....   | 16                                  |                      |
| 12 ".....   | 15 ".....     | .....         | 3 50.....   | 20.....                             | \$0 50 per gauge.    |
| 14 ".....   | 14 ".....     | .....         | 4 00.....   | 24.....                             | 60 "                 |
| 16 ".....   | 14 ".....     | .....         | 4 75.....   | 28.....                             | 70 "                 |
| 18 ".....   | 13 ".....     | .....         | 5 50.....   | 34.....                             | 80 "                 |
| 20 ".....   | 13 ".....     | .....         | 7 00.....   | 40.....                             | 90 "                 |
| 22 ".....   | 12 ".....     | .....         | 8 00.....   | 48.....                             | 1 00 "               |
| 24 ".....   | 11 ".....     | .....         | 10 00.....  | 55.....                             | 1 20 "               |
| 26 ".....   | 11 ".....     | .....         | 12 00.....  | 65.....                             | 1 40 "               |
| 28 ".....   | 10 ".....     | .....         | 14 00.....  | 80.....                             | 1 60 "               |
| 30 ".....   | 10 ".....     | .....         | 16 00.....  | 90.....                             | 1 80 "               |
| 32 ".....   | 10 ".....     | .....         | 18 50.....  | 1 00.....                           | 2 00 "               |
| 34 ".....   | 9 ".....      | .....         | 21 00.....  | 1 20.....                           | 2 20 "               |
| 36 ".....   | 9 ".....      | .....         | 24 00.....  | 1 40.....                           | 2 40 "               |
| 38 ".....   | 8 ".....      | .....         | 28 00.....  | 1 75.....                           | 2 60 "               |
| 40 ".....   | 8 ".....      | .....         | 33 00.....  | 2 00.....                           | 3 00 "               |
| 42 ".....   | 8 ".....      | .....         | 40 00.....  | 2 50.....                           | 3 50 "               |
| 44 ".....   | 7 ".....      | .....         | 48 00.....  | 3 00.....                           | 3 70 "               |
| 46 ".....   | 6 ".....      | .....         | 56 00.....  | 3 50.....                           | 3 80 "               |
| 48 ".....   | 6 ".....      | .....         | 65 00.....  | 4 25.....                           | 4 00 "               |
| 50 ".....   | 6 ".....      | .....         | 75 00.....  | 5 00.....                           | 4 20 "               |
| 52 ".....   | 5 ".....      | .....         | 90 00.....  | 5 75.....                           | 4 30 "               |
| 54 ".....   | 5 ".....      | .....         | 105 00..... | 7 00.....                           | 4 50 "               |
| 56 ".....   | 5 ".....      | .....         | 125 00..... | 8 75.....                           | 4 70 "               |
| 58 ".....   | 5 ".....      | .....         | 150 00..... | 10 00.....                          | 4 80 "               |
| 60 ".....   | 5 ".....      | .....         | 175 00..... | 12 00.....                          | 5 00 "               |
| 62 ".....   | 4 ".....      | .....         | 200 00..... | 14 00.....                          | 5 20 "               |
| 64 ".....   | 4 ".....      | .....         | 230 00..... | 13 00.....                          | 5 40 "               |
| 66 ".....   | 4 ".....      | .....         | 265 00..... | 18 00.....                          | 5 50 "               |
| 68 ".....   | 4 ".....      | .....         | 300 00..... | 20 00.....                          | 5 70 "               |
| 70 ".....   | 3 ".....      | .....         | 340 00..... | 22 00.....                          | 5 90 "               |
| 72 ".....   | 3 ".....      | .....         | 380 00..... | 24 00.....                          | 6 00 "               |

Circular Saws to cut Metal or Ivory, double price.

—:O:—

**ONE MAN CROSS-CUT SAW.**



Length of Saw, 4 feet.

With this Saw four times as much work can be performed as with the ordinary Saw. For cutting off girders, joists, blocking, or heavy lumber of any kind, it is just what is required.

Each, . . . . . \$3 75

## CROSS-CUT SAWS.

### GREAT AMERICAN AND LUMBERMAN.

The Great American has been subjected to the most severe tests, which have determined the fact that it is the **BEST CROSS-CUT SAW** ever offered to the public. The most important peculiarities of this Saw are as follows :

The outer Teeth of each section are as sharp and effective cutting Teeth as the Teeth of a Rip Saw, while the middle or regulating Tooth determines the extent of the cut in proportion to the bevel of said Tooth. The more you bevel the centre Tooth, the faster the Saw cuts, whereas, if the centre Tooth, be filed square the Saw takes less hold on your log, and requires less muscle to drive it. Thus you can regulate your Saw to suit the strength of the parties working it.

In using this improved Saw there is none of that "*tearing of the wood,*" *undue friction and drag,* which in many other improved Cross-cut Saws demand so much muscular exertion without a commensurate result.

The manufacturers declare that there is no Cross-cut Saw in the market by which so much work can be done in ten hours, with so little exertion, as the "*Great American*" *Regulating Cross-cut.*

THE LUMBERMAN is greatly preferred in some sections of the country, and can be easily kept in order if filed according to directions, when so many of the fast cutting Saws of the present day must lose their shape and cannot be kept in order.

In filing this Saw, a round edge mill file should be used, and by pressing a little downward as well as sidewise you keep the Tooth at all times in the same shape it leaves the factory. Attached to the Lumberman will be found the New Patent Adjustable Handle, which we can recommend as being superior to any Cross-cut Handle now in use.

The Saw blade fits into a slot in plate *D*, and is secured to the same by a pivot at *H*, the Handle being also attached to *D* by a strap or socket. The set screws *b b* pass through the handle and bear against plate *E*, which is notched and fits on the end of the Saw. By use of the set screws the handle can be adjusted to the Saw at any desired angle.

Great American and Lumberman Cross-cut Saws, set and sharpened, ..... per foot, 88 cts.

Extra Spring Steel, Plain Tooth, set and sharpened, ..... per foot, 78 cts.

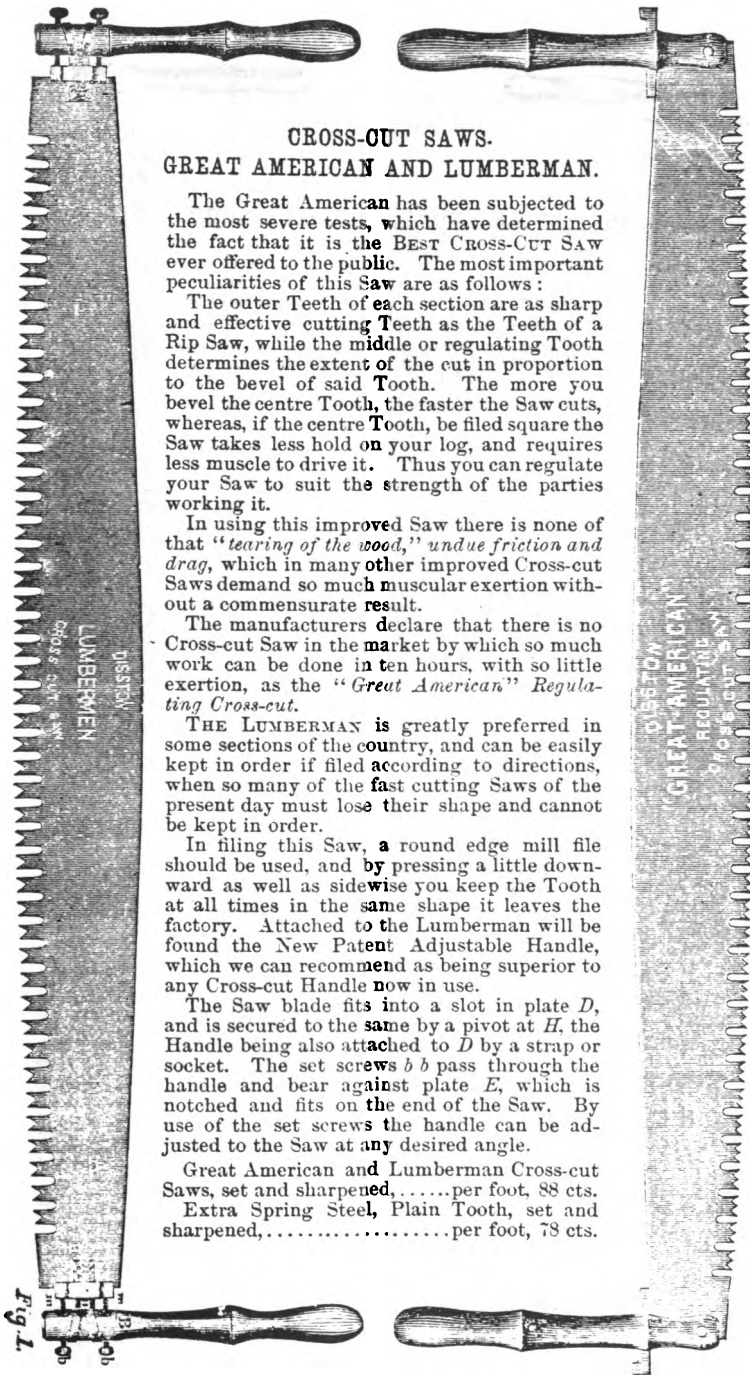


Fig. 1.

## CLIMAX AND NONPAREIL CROSS-CUT SAWS.

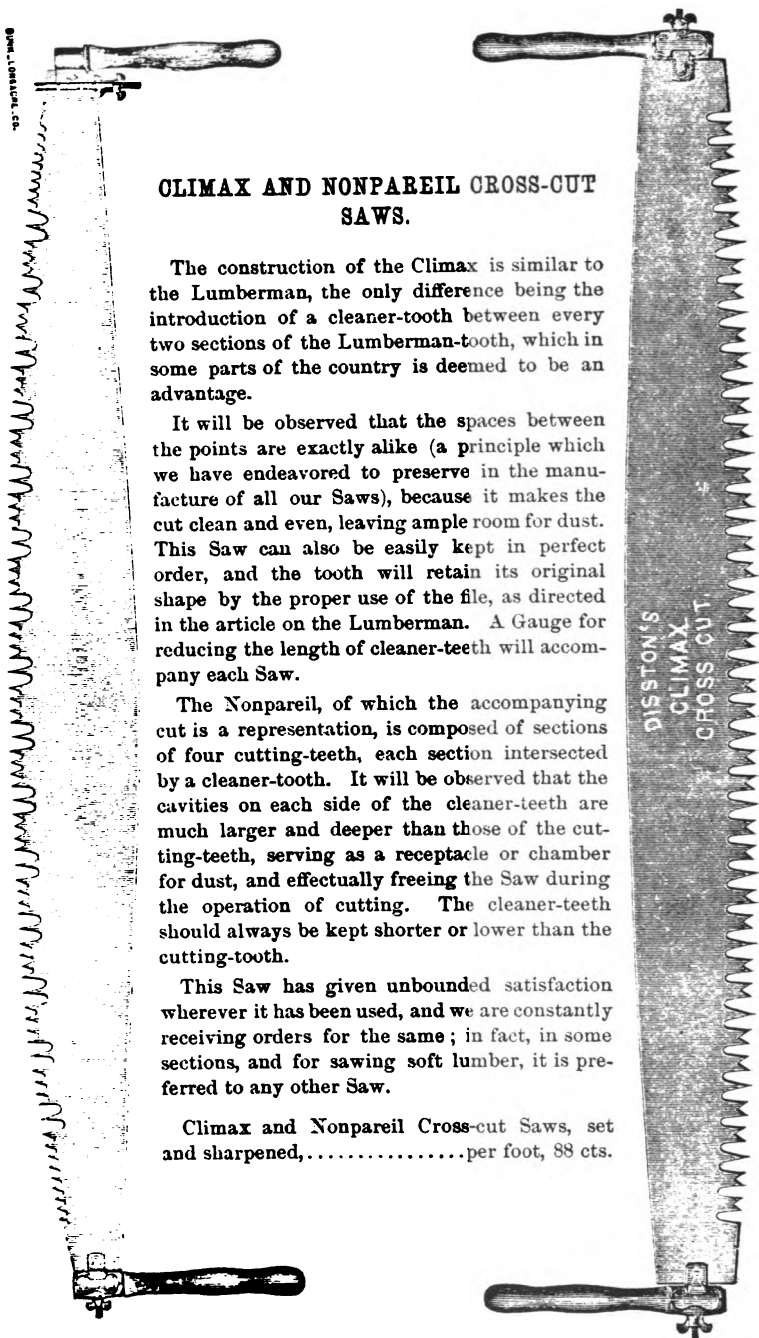
The construction of the Climax is similar to the Lumberman, the only difference being the introduction of a cleaner-tooth between every two sections of the Lumberman-tooth, which in some parts of the country is deemed to be an advantage.

It will be observed that the spaces between the points are exactly alike (a principle which we have endeavored to preserve in the manufacture of all our Saws), because it makes the cut clean and even, leaving ample room for dust. This Saw can also be easily kept in perfect order, and the tooth will retain its original shape by the proper use of the file, as directed in the article on the Lumberman. A Gauge for reducing the length of cleaner-teeth will accompany each Saw.

The Nonpareil, of which the accompanying cut is a representation, is composed of sections of four cutting-teeth, each section intersected by a cleaner-tooth. It will be observed that the cavities on each side of the cleaner-teeth are much larger and deeper than those of the cutting-teeth, serving as a receptacle or chamber for dust, and effectually freeing the Saw during the operation of cutting. The cleaner-teeth should always be kept shorter or lower than the cutting-tooth.

This Saw has given unbounded satisfaction wherever it has been used, and we are constantly receiving orders for the same; in fact, in some sections, and for sawing soft lumber, it is preferred to any other Saw.

Climax and Nonpareil Cross-cut Saws, set and sharpened,.....per foot, 88 cts.

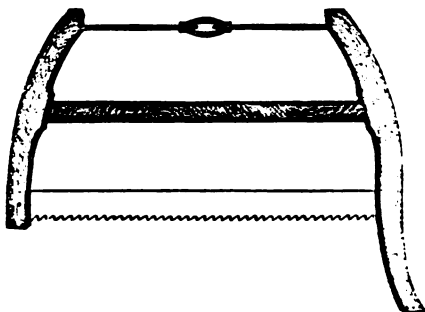


**HANDLES FOR CROSS-OUT SAWS.**

|   |                  |
|---|------------------|
| No. 1. Disston & Sons' Improved Patent, . . . | per pair, \$0 65 |
| No. 2. " " Patent, . . .                      | " 60             |

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**PATENT GROUND AND TEMPERED CAST STEEL WOOD SAWS.**

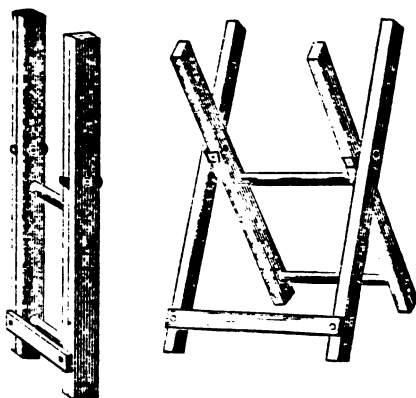


30 Inch.

|   |                           |
|---|---------------------------|
| No. 77. Disston & Sons' Improved Wood Saw, Set and Sharpened, the fastest cutting Wood Saw in the market, . . . | each, 1 00                |
| No. 6. Disston & Sons' Cast Steel, Set and Sharpened, " . . .   | 90                        |
| No. 3. Marshall's " " " " . . .   | 75                        |
| Warren's " " " " . . .  | 50                        |
| Disston's Extra Saw Blades, " " . . .   | from 65 to 80 cents each. |

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**SAW BUCKS.**



|                      |          |
|----------------------|----------|
| Saw Bucks, . . . . . | each, 50 |
|----------------------|----------|

**DISSTON & SONS' CAST STEEL WEB SAWS.**

Set and Sharpened.

|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
| 10 inch, | 12 inch, | 14 inch, | 16 inch, | 18 inch, | 20 inch, | 22 inch, |
| 20 c.    | 22 c.    | 24 c.    | 25 c.    | 30 c.    | 32 c.    | 35 c.    |
| 24 inch, | 26 inch, | 28 inch, | 30 inch, | 32 inch, | 34 inch, | 36 inch, |
| 40 c.    | 45 c.    | 47 c.    | 52 c.    | 58 c.    | 62 c.    | 65 c.    |

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**DISSTON & SONS' CAST STEEL KEY-HOLE SAWS.**

Set and Sharpened for Saw Pads.

|                |   |   |   |   |   |   |   |              |
|----------------|---|---|---|---|---|---|---|--------------|
| Assorted Sizes | . | . | . | . | . | . | . | each, \$0 20 |
|----------------|---|---|---|---|---|---|---|--------------|

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**SAW PADS.**

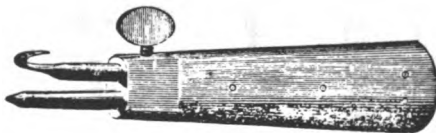
|                      |          |   |   |   |       |    |
|----------------------|----------|---|---|---|-------|----|
| Apple Wood Saw Pads, | 7½ inch, | . | . | . | each, | 40 |
| "                    | 8 "      | . | . | . | "     | 50 |
| Rose Wood            | 7½ "     | . | . | . | "     | 45 |
| "                    | 8 "      | . | . | . | "     | 60 |

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**BRASS SAW SCREWS.**

|        |                            |   |   |   |       |    |
|--------|----------------------------|---|---|---|-------|----|
| No. 1. | Flush Brass Saw Screws,    | . | . | . | each, | 03 |
| " 2.   | " " " " "                  | . | . | . | "     | 05 |
| " 1.   | Oval " " " "               | . | . | . | "     | 06 |
| " 3.   | Embossed Brass Saw Screws, | . | . | . | "     | 10 |

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**TIMBER SCRIBES.**

|                 |   |   |   |   |   |   |            |
|-----------------|---|---|---|---|---|---|------------|
| Timber Scribes, | . | . | . | . | . | . | each, 75c. |
|-----------------|---|---|---|---|---|---|------------|



## VEIT'S CITY MADE WARRANTED BENCH PLANES.

With W. &amp; S. Butcher's Celebrated Plane Irons.

## SMOOTHING PLANES.



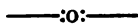
|  |      |        |
|--|------|--------|
| Smoothing Plane, Beech, Single Iron, 2 to 2½ inch, | each | \$1 60 |
| " " " Double " " "                                 | "    | 1 90   |
| " " Apple, Single " " "                            | "    | 1 75   |
| " " " Double " " "                                 | "    | 2 00   |



## JACK PLANES.



|  |       |      |
|--|-------|------|
| Jack Plane, Beech, Single Iron, 2½ to 3½ inch, | each, | 1 75 |
| " " Double " 2½ to 3½ inch,                    | "     | 2 00 |
| " Apple, " " " "                               | "     | 2 25 |



## FORE PLANES.



|   |       |      |
|---|-------|------|
| Fore Plane, Beech, Single Iron, 2½ inch,  | each, | 2 75 |
| " " Double " " "  | "     | 3 00 |
| " Apple " " " "   | "     | 3 25 |
| A set of the above superior make of Bench Planes,<br>consisting of one Double Iron, Smooth, Jack and<br>Fore Plane, |       | 6 75 |

## SMOOTHING PLANES.



|   |        |
|---|--------|
| Howland's Smoothing Planes, Beech, Single Iron, 2 to 2½ in. ea. | 55     |
| Chapin's " " " " " "  | 65     |
| Howland's " " " Double " " "                                    | 90     |
| Chapin's " " " " " "  | \$1 00 |

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## JACK PLANES.



|  |      |
|--|------|
| Howland's Jack Planes, Beech, Single Iron, 2 to 2½ in. each, | 70   |
| Chapin's " " " " " "   | 80   |
| Howland's " " Double " " "                                   | 1 00 |
| Chapin's " " " " " "   | 1 10 |

—:O:—

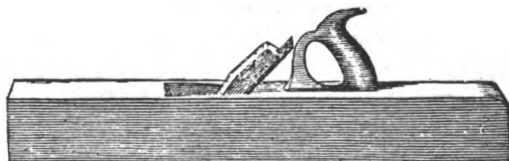
## FORE PLANES.



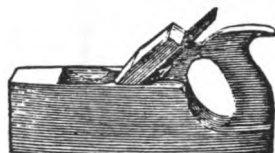
|  |      |
|--|------|
| Howland's Fore Planes, Beech, 21 in., Single Iron, 2½ in. ea., | 1 00 |
| Chapin's " " " " " "   | 1 10 |
| Howland's " " Double " " "                                     | 1 30 |
| Chapin's " " " " " "   | 1 50 |

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## JOINTER PLANES.



|   |      |
|---|------|
| Chapin's Jointer Plane, Beech, 26 in., Double Iron, 2½ in. ea., | 1 65 |
|---|------|

**SMOOTHING PLANE, WITH HANDLE.**

Smoothing Plane with Handle, Beech, Double Iron,  
2 to 2½ inch, . . . . . each, \$1 90

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**RAZEE JACK PLANE, WITH HANDLE.**

Razee Jack Plane with Handle, Beech, Double Iron,  
16 inch, . . . . . each, 1 35

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**MITRE PLANES.**

|                           |                                   |      |
|---------------------------|-----------------------------------|------|
| Mitre Plane, Square,      | Single Iron, 1½ to 1¾ inch, each, | 80   |
| “ Smooth Shape            | “ “ “ “ “ “                       | 80   |
| “ Square, Double          | “ 1¾ “ “                          | 1 10 |
| “ Smooth Shape, Double    | “ “ “ “                           | 1 10 |
| Block Mitre, Single Iron, | 2½ “ “                            | 1 10 |

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**TOOTH PLANE.**

Tooth Plane, Beech, Single Iron, 2 to 2½ inch, . . . each, 1 15

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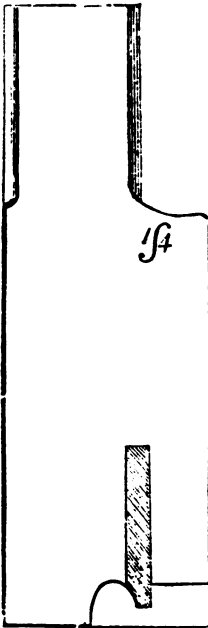
**WASH BOARD PLANE.**

Wash Board Plane, . . . . . each, 1 35  
“ “ with Handle, . . . . . “ 2 00

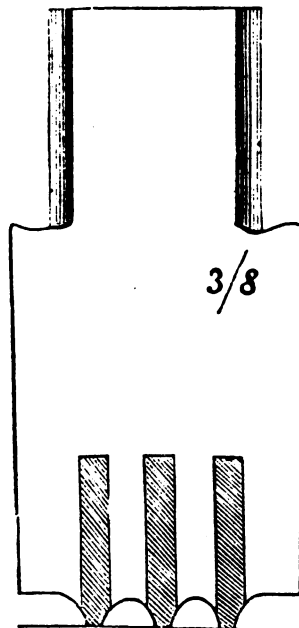
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**NOSING, OR STEP PLANES.**

Nosing or Step Planes, two Irons, to 1½ inch, . . . each, 1 25  
“ “ “ Handled, to 1½ “ . . . “ 1 15



BEAD PLANE, SINGLE BOXED.



REEDING PLANE.

## BEAD PLANES, SINGLE BOXED.

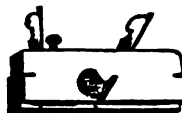
|  |   |   |   |   |   |   |   |       |        |
|--|---|---|---|---|---|---|---|-------|--------|
| $\frac{1}{8}$ , $\frac{3}{16}$ , $\frac{1}{4}$ , $\frac{5}{16}$ , $\frac{3}{8}$ , $\frac{7}{16}$ , $\frac{1}{2}$ inch, | . | . | . | . | . | . | . | each, | 60     |
| $\frac{5}{8}$ , $\frac{3}{4}$ inch,  | . | . | . | . | . | . | . | "     | 65     |
| $\frac{7}{8}$ , 1 "  | . | . | . | . | . | . | . | "     | 80     |
| $1\frac{1}{8}$ , $1\frac{1}{4}$ , $1\frac{3}{8}$ inch,   | . | . | . | . | . | . | . | "     | \$1 00 |

## REEDING PLANES.

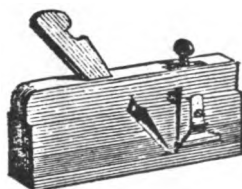
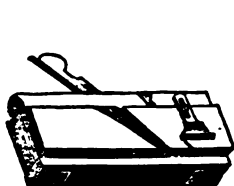
|                                       |   |   |   |   |   |   |       |      |
|---------------------------------------|---|---|---|---|---|---|-------|------|
| Reeding Planes to $\frac{3}{8}$ inch, | . | . | . | . | . | . | each, | 90   |
| " " $\frac{3}{4}$ "                   | . | . | . | . | . | . | "     | 1 10 |

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## DADOES.

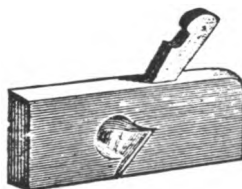


|   |   |   |   |   |       |      |
|---|---|---|---|---|-------|------|
| Dadoes with Brass Side Stop, to 1 inch, | . | . | . | . | each, | 1 30 |
| " " Screw " " "                         | . | . | . | . | "     | 1 70 |

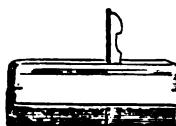
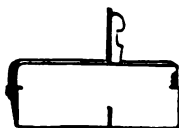
**FILLETSTERS.**

|  |              |
|--|--------------|
| Filletsters with Stop, Cut and Boxed, . . .  | each, \$2 10 |
| " " Screw Stop, Cut and Boxed, . . .         | " 3 00       |
| " " Screw Arms, Screw Stop, Cut and Boxed, " | 4 25         |

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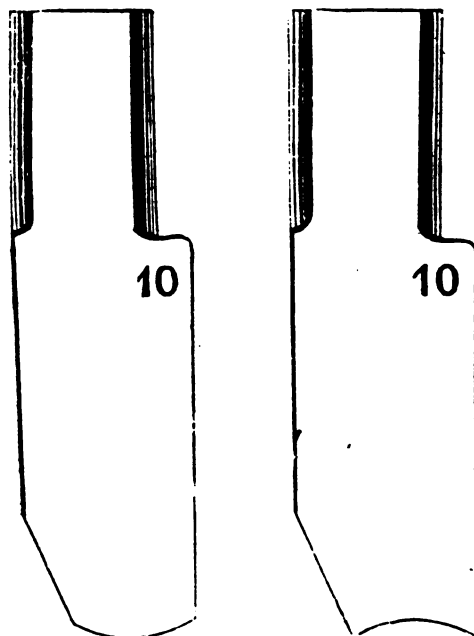
**RABBET PLANES.**

|   |          |
|---|----------|
| Rabbit Planes, Square, to 1 inch, . . . | each, 70 |
| " " to 1½ " . . .                       | 75       |
| " " to 1½ " . . .                       | 85       |
| " Skew, to 1 " . . .                    | 70       |
| " " to 1½ " . . .                       | 75       |
| " " to 1½ " . . .                       | 85       |
| " " to 1¾ " . . .                       | 90       |
| " " to 2 " . . .                        | 1 05     |
| " " to 2½ " . . .                       | 1 10     |



|                               |                |
|-------------------------------|----------------|
| Side Rabbit Planes, . . . . . | per pair, 1 10 |
|-------------------------------|----------------|

## HOLLOWS AND ROUNDS.



$\frac{3}{4}$  inch. Works  $1\frac{1}{2}$  inch Circle.

|                     |                           |           |        |
|---------------------|---------------------------|-----------|--------|
| Hollows and Rounds, | set of 10 pairs, 2 to 20, | . . .     | \$9 00 |
| " " "               | set of 12 pairs, 2 to 24, | . . .     | .11 50 |
| " " "               | set of 24 pairs, 1 to 24, | . . .     | .23 00 |
| " " "               | No. 1 to 12 . . .         | per pair, | 80     |
| " " "               | No. 13 to 18 . . .        | "         | . 1 00 |
| " " "               | No. 19 to 24 . . .        | "         | . 1 25 |

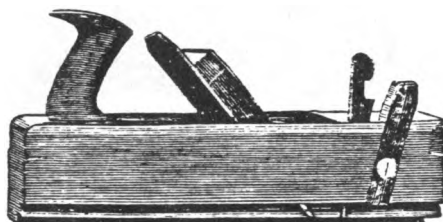
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## MATCH PLANES.



|  |       |                |
|--|-------|----------------|
| Match Planes, Double One Block, to 1 inch, | . . . | each, 1 40     |
| " Plated, to $1\frac{1}{2}$ inch,          | . . . | per pair, 1 65 |

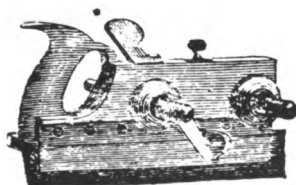
## RAISING PLANES.



|  |              |
|--|--------------|
| Raising Plane with Stop and Cut, 3 inch, . . .         | each, \$3 50 |
| " " " " " 3½ " . . .                                   | " 4 00       |
| " " " " " 4 " . . .                                    | " 4 50       |
| Raising Plane, Double Iron, with Stop and Cut, 3 in. " | 4 25         |
| " " " " " 3½ " "                                       | 5 00         |
| " " " " " 4 " "  | 6 00         |

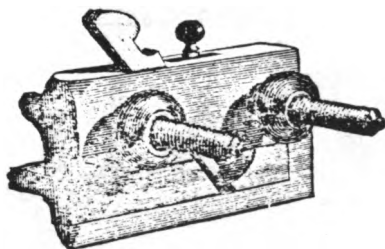
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## GROOVING PLOWS.



|  |             |
|--|-------------|
| Solid Handle, Boxwood Screw Arms and Screw Stop, |             |
| Beech, 8 Irons, . . . . .                        | each, 5 85  |
| Solid Handle, Boxwood Screw Arms and Screw Stop, |             |
| Beech, Boxed Fence, 8 Irons, . . . . .           | each, 6 50  |
| Solid Handle, Boxwood Screw Arms and Screw Stop, |             |
| Boxed Fence, Best Plate, 8 Irons, . . . . .      | each, 7 50  |
| Solid Handle, Boxwood Screw Arms and Screw Stop, |             |
| Boxed Fence, Best Plate, Side Top, Polished, 8   |             |
| Irons, . . . . .                                 | each, 8 15  |
| Solid Handle, Solid Rosewood, Boxed Fence, Best  |             |
| Plate, Side Stop, Polished, . . . . .            | each, 10 00 |

## GROOVING PANEL PLOWS.



Boxwood Screw Arms and Screw Stop, Best Plate, 8

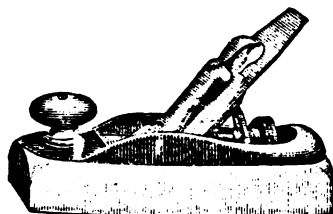
Irons, . . . . . each, 5 50

Boxwood Screw Arms and Screw Stop, Best Plate,


Boxed Fence, 8 Irons, . . . . . each, 5 75

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## BAILEY'S PATENT ADJUSTABLE IRON AND WOOD BENCH PLANES.



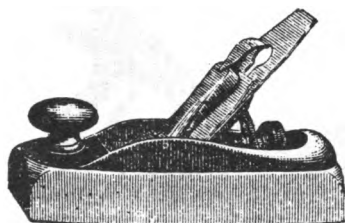
These tools meet with universal approbation from the best mechanics. For beauty of style and finish they are unequalled, and the great convenience in operating renders them the cheapest Planes in use; they are *self-adjusting* in every respect, and each part being made *interchangeable*, can be replaced at a trifling expense. Both the Iron and Wood Planes are entirely independent in themselves, requiring neither hammer, screw-driver or wrench, to remove, replace or adjust the Cutter, which is secured firmly in its place, or may be instantly released therefrom, by use of the cam with a Thumb-piece at the upper end of the Lever over the same. Without removing the Plane from the work, or either hand from the Plane, by simply turning a Thumb-screw, located under the Bed-piece on which the Plane-Iron rests, the Cutter may be accurately adjusted to any thickness of shaving desired.

 Each Plane is fitted in working order, and the Plane-Irons are fully WARRANTED.

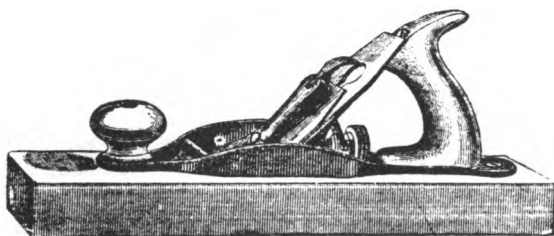
The Plane-Iron is stamped out entire from the best quality of English Cast Steel, is of equal thickness throughout, tempered and ground by an improved process, and is sharpened for immediate use when sent to market.



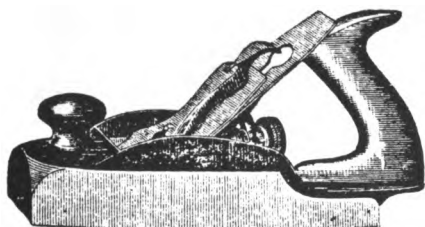
## BAILEY'S PATENT ADJUSTABLE WOOD PLANES.



|  |       |        |
|--|-------|--------|
| Smooth Plane, 7 inches in length, 1 $\frac{1}{4}$ inch Cutter, | each, | \$3 00 |
| " 8 " " 1 $\frac{1}{4}$ " " . . .                              | "     | 3 00   |
| " 9 " " 1 $\frac{1}{4}$ " " . . .                              | "     | 3 00   |
| " 8 " " 2 " " . . .  | "     | 3 25   |
| Block Plane, 9 $\frac{1}{2}$ " " 1 $\frac{1}{4}$ " " . . .     | "     | 3 25   |

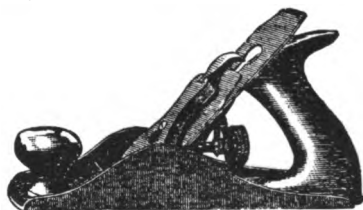


|   |       |      |
|---|-------|------|
| Jack Plane, 15 inches in length, 2 inch Cutter, . | each, | 3 50 |
| " 15 " " 2 $\frac{1}{8}$ " " . . .                | "     | 3 75 |
| Fore Plane, 18 " " 2 $\frac{3}{8}$ " " . . .      | "     | 4 00 |
| " 20 " " 2 $\frac{3}{8}$ " " . . .                | "     | 4 00 |
| Jointer, 22 " " 2 $\frac{3}{8}$ " " . . .         | "     | 4 25 |
| " 24 " " 2 $\frac{3}{8}$ " " . . .                | "     | 4 25 |
| " 26 " " 2 $\frac{3}{8}$ " " . . .                | "     | 4 75 |
| " 28 " " 2 $\frac{3}{8}$ " " . . .                | "     | 4 75 |
| " 30 " " 2 $\frac{3}{8}$ " " . . .                | "     | 5 00 |

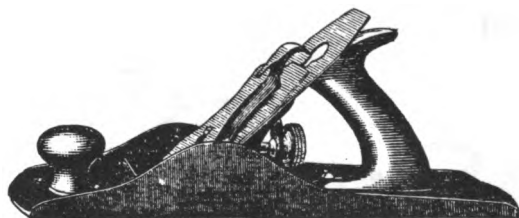


|   |      |
|---|------|
| Handle Smooth, 9 inches in length, 2 inch Cutter, . | 4 00 |
| " " 10 " " 2 $\frac{3}{8}$ " " . . .                | 4 25 |
| Jenny " 18 " " 2 $\frac{3}{8}$ " " . . .            | 4 50 |

## BAILEY'S PATENT ADJUSTABLE IRON PLANES.



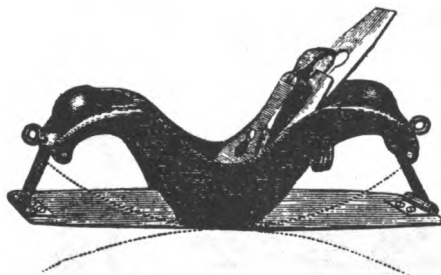
|               |                     |                 |       |        |
|---------------|---------------------|-----------------|-------|--------|
| Smooth Plane, | 5 inches in length, | 1½ inch Cutter, | each, | \$4 00 |
| "             | 7 "                 | 1½ "            | "     | 4 50   |
| "             | 8 "                 | 1½ "            | "     | 5 00   |
| "             | 9 "                 | 2 "             | "     | 5 50   |



|             |                      |                |       |      |
|-------------|----------------------|----------------|-------|------|
| Jack Plane, | 14 inches in length, | 2 inch Cutter, | each, | 6 00 |
| Fore "      | 18 "                 | 2½ "           | "     | 7 00 |
| Jointer "   | 22 "                 | 2½ "           | "     | 8 00 |
| " "         | 24 "                 | 2½ "           | "     | 9 00 |
| Block "     | 10 "                 | 2 "            | "     | 8 00 |

—:O:—

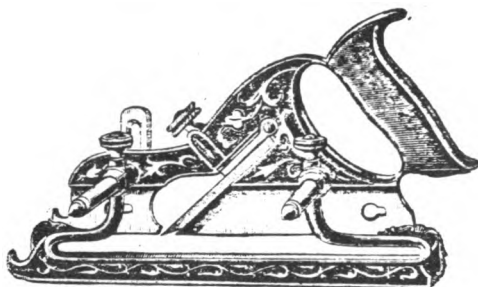
## BAILEY'S PATENT ADJUSTABLE CIRCULAR PLANE.



1½ inch Cutter, . . . . . each, 5 00

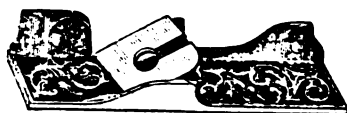
This Plane has a *Flexible Steel Face*, and by means of the thumb-screws at each end of the Stock, can be easily adapted to plane circular work—either concave or convex.

**MILLER'S PATENT COMBINED METALLIC PLOW, FILLETSTER  
AND MATCHING PLANE.**



This Tool embraces, in a most ingenious and successful combination, the common Carpenter's Plow, an adjustable Filletster, and a perfect Matching Plane. The entire assortment can be kept in smaller space, or made more portable, than an ordinary Carpenter's Plow.

The above engraving represents the stock of the Tool, adjusted for use as a Plow. With each Plow eight Bits ( $\frac{1}{8}$ ,  $\frac{3}{16}$ ,  $\frac{1}{4}$ ,  $\frac{5}{16}$ ,  $\frac{3}{8}$ ,  $\frac{7}{16}$ ,  $\frac{1}{2}$ , and  $\frac{5}{8}$  inch) are furnished; also a TONGUING tool ( $\frac{1}{4}$  inch), and by use of the latter, together with the  $\frac{1}{4}$  inch Plow Bit for grooving, a perfect Matching Plane is made.



A metallic Bed-piece, with  $1\frac{1}{2}$  inch Cutter in it, can be attached to the stock of the tool by means of two screws passing through the slots in the base-piece of the stock. Over this Bed-piece the gauge, or gate, will move backward or forward, and when secured to the bars by the thumb-screw, will constitute an adjustable Filletster of any width required by the owner. The upright gauge on the back of the stock is adjusted by a thumb-screw, likewise, and regulates the depth for the use of the Filletster, as for all the other tools embraced in the combination.

### TONGUING TOOL AND PLOW BITS.



The Tonguing tool and also the Plow-bits are made of a superior quality of STEEL, and have a V slot in the bottom surface which fits down upon a seat prepared accurately for the same. The thumb-screw above will secure the tools in position with the greatest possible firmness.

The Stock and Gauges are made from a fine quality of METAL, and the tool has greater strength in every part than the ordinary Wooden Tools, without any liability to warp or shrink. The separate parts are all made *interchangeable*, and can be replaced with slight expense, if found necessary, at any time.

### COMBINED PLOW, FILLETSTER AND MATCHING PLANE,


Including Plow Bits, Tonguing and Grooving Tools.

|                            |               |
|----------------------------|---------------|
| Iron Stock and Gauge,      | each, \$12 00 |
| Gun Metal Stock and Gauge, | " 15 00       |

### COMBINED PLOW AND MATCHING PLANE,

Including Plow Bits, Tonguing and Grooving Tools.

|                            |            |
|----------------------------|------------|
| Iron Stock and Gauge,      | each, 8 00 |
| Gun Metal Stock and Gauge, | " 12 00    |

 The Tool is packed in a box, and a printed description accompanies each one.

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### IRON BLOCK PLANE.

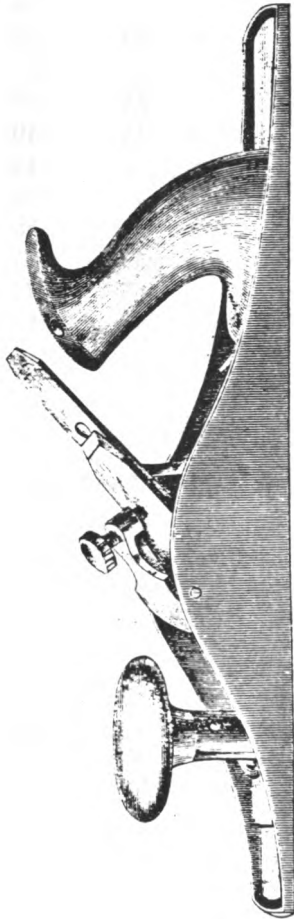


$5\frac{1}{2} \times 1\frac{1}{2}$ .

$7 \times 2$ .

|   |            |
|---|------------|
| Block Plane, $5\frac{1}{2}$ inch long, size $5\frac{1}{2} \times 1\frac{1}{2}$ inch Cutter, | each, 1 35 |
| " " 7 " " " 2 " " " " "   | " 2 25     |

PERFECTED IRON PLANES.



Jointers 21 inches long,  $2\frac{3}{4}$  inch Iron.



Jack, 15 inches long,  $2\frac{3}{4}$  inch long.



Smooth, 8 in. long,  $2\frac{3}{4}$  in. Iron.

With Fluted Face.

|                |             |                            |   |   |           |      |
|----------------|-------------|----------------------------|---|---|-----------|------|
| Smooth Plane,  | 8 in. long, | $2\frac{1}{4}$ in. Cutter, | . | . | each, \$3 | 50   |
| Jack Plane,    | 15 "        | $2\frac{1}{4}$ "           | . | . | "         | 4 50 |
| Jointer Plane, | 21 "        | $2\frac{3}{4}$ "           | . | . | "         | 5 25 |

**WM. BUTCHER & ISAAC GREAVES' CELEBRATED PLANE IRONS.**

|          |       | Single. | Cut.  | Double. |
|----------|-------|---------|-------|---------|
| 1½ inch, | each, | 25 c.   | 30 c. | 55 c.   |
| 1⅝ "     | "     | 25      | 30    | 55      |
| 1¾ "     | "     | 28      | 30    | 60      |
| 1⅞ "     | "     | 30      | 35    | 60      |
| 2 "      | "     | 35      | 35    | 65      |
| 2⅛ "     | "     | 35      | 38    | 70      |
| 2¼ "     | "     | 40      | 40    | 75      |
| 2⅝ "     | "     | 45      | 45    | 80      |
| 2⅞ "     | "     | 50      | 50    | 85      |
| 2⅞ "     | "     | 55      | 55    | 90      |
| 2¾ "     | "     | 60      | 65    | \$1 00  |
| 2⅞ "     | "     | 65      | 70    | 1 15    |
| 3 "      | "     | 75      | 80    | 1 30    |

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**CAST STEEL PLANE BITS.**

A full assortment of Tooth Irons, Soft Moulding Irons, Skew and Square Rabbet Irons.

Butcher's Plow Bits, per set of eight, ⅛ to ⅝ inch, . . . \$2 35  
Sold separate if wanted.

2 inch Tooth Irons, . . . . . 60

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**WM. BUTCHER & ISAAC GREAVES' CELEBRATED FIRMER CHISELS.**

|                                     |       |      |         |       |       |
|-------------------------------------|-------|------|---------|-------|-------|
| ⅛ inch,                             | each. | 15c. | ⅛ inch, | each, | \$ 25 |
| ¼ "                                 | "     | 15   | 1 "     | "     | 30    |
| ⅜ "                                 | "     | 17   | 1¼ "    | "     | 40    |
| ½ "                                 | "     | 20   | 1½ "    | "     | 50    |
| ⅝ "                                 | "     | 22   | 1¾ "    | "     | 60    |
| ¾ "                                 | "     | 25   | 2 "     | "     | 70    |
| Sets from ⅛ to 1½ inches, 9 pieces, |       |      |         |       | 2 50  |
| " ⅛ to 2 " 12 "                     |       |      |         |       | 4 00  |

## WM. BUTOHER &amp; ISAAO GREAVES' CELEBRATED FIRMER GOUGES.



|   |            |                           |            |
|---|------------|---------------------------|------------|
| $\frac{1}{8}$ inch, . . .                                   | each, 18c. | $\frac{1}{4}$ inch, . . . | each, 32c. |
| $\frac{1}{4}$ " . . .                                       | " 18       | 1 " . . .                 | " 35       |
| $\frac{3}{8}$ " . . .                                       | " 20       | $1\frac{1}{4}$ " . . .    | " 45       |
| $\frac{1}{2}$ " . . .                                       | " 25       | $1\frac{1}{2}$ " . . .    | " 55       |
| $\frac{3}{4}$ " . . .                                       | " 28       | $1\frac{3}{4}$ " . . .    | " 70       |
| $\frac{7}{8}$ " . . .                                       | " 30       | 2 " . . .                 | " 85       |
| Sets from $\frac{1}{8}$ to $1\frac{1}{4}$ inches, 9 pieces. |            |                           | \$2 60     |
| " $\frac{1}{8}$ to 2 " 12 "                                 |            |                           | 4 40       |

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## BUCK BROTHERS' FIRMER GOUGES, BEVELED INSIDE OR OUTSIDE.

Regular Sweep.

Middle Sweep.

Flat Sweep.



|   | Regular.   | Middle. | Flat Sweep. |
|---|------------|---------|-------------|
| $\frac{1}{8}$ inch, . . .                       | each, 20c. | 20c.    | 20c.        |
| $\frac{1}{4}$ " . . .                           | " 20       | 20      | 20          |
| $\frac{3}{8}$ " . . .                           | " 22       | 22      | 22          |
| $\frac{1}{2}$ " . . .                           | " 28       | 28      | 28          |
| $\frac{5}{8}$ " . . .                           | " 30       | 30      | 30          |
| $\frac{3}{4}$ " . . .                           | " 35       | 35      | 35          |
| $\frac{7}{8}$ " . . .                           | " 38       | 38      | 38          |
| 1 " . . .                                       | " 40       | 40      | 40          |
| $1\frac{1}{4}$ " . . .                          | " 55       | 55      | 55          |
| $1\frac{1}{2}$ " . . .                          | " 70       | 70      | 70          |
| $1\frac{3}{4}$ " . . .                          | " 80       | 80      | 80          |
| 2 " . . .                                       | " 90       | 90      | 90          |
| Sets from $\frac{1}{8}$ to 2 inches, 12 pieces. |            |         | \$4 85      |



## CROSSMAN'S WARRANTED SOCKET FIRMER CHISELS.



|   |                    |   |            |                     |   |   |            |
|---|--------------------|---|------------|---------------------|---|---|------------|
| $\frac{1}{8}$ inch.   | .                  | . | each, 40c. | $\frac{7}{8}$ inch, | . | . | each, 60c. |
| $\frac{1}{4}$ "   | .                  | . | " 40       | 1 "                 | . | . | " 60       |
| $\frac{3}{8}$ "   | .                  | . | " 40       | $1\frac{1}{4}$ "    | . | . | " 65       |
| $\frac{1}{2}$ "   | .                  | . | " 45       | $1\frac{1}{2}$ "    | . | . | " 75       |
| $\frac{5}{8}$ "   | .                  | . | " 50       | $1\frac{3}{4}$ "    | . | . | " 85       |
| $\frac{3}{4}$ "   | .                  | . | " 55       | 2 "                 | . | . | " 90       |
| Sets from $\frac{1}{8}$ to $1\frac{1}{2}$ inches, 9 pieces, |                    |   |            | .                   | . | . | \$4 25     |
| "   | $\frac{1}{8}$ to 2 | " | 12 "       | .                   | . | . | 6 00       |

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## CROSSMAN'S WARRANTED SOCKET FRAMING AND MORTISING CHISELS.



|                     |   |   |            |                      |   |   |              |
|---------------------|---|---|------------|----------------------|---|---|--------------|
| $\frac{1}{4}$ inch. | . | . | each, 60c. | $1\frac{1}{2}$ inch. | . | . | each, \$1 00 |
| $\frac{3}{8}$ "     | . | . | " 60       | $1\frac{3}{4}$ "     | . | . | " 1 10       |
| $\frac{1}{2}$ "     | . | . | " 65       | 2 "                  | . | . | " 1 25       |
| $\frac{5}{8}$ "     | . | . | " 70       | $2\frac{1}{4}$ "     | . | . | " 1 40       |
| $\frac{3}{4}$ "     | . | . | " 75       | $2\frac{1}{2}$ "     | . | . | " 1 60       |
| $\frac{7}{8}$ "     | . | . | " 80       | $2\frac{3}{4}$ "     | . | . | " 1 75       |
| 1 "                 | . | . | " 85       | 3 "                  | . | . | " 2 00       |
| $1\frac{1}{4}$ "    | . | . | " 90       |                      |   |   |              |

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## CROSSMAN'S WARRANTED CORNER CHISELS.



|                     |                     |         |                      |                      |
|---------------------|---------------------|---------|----------------------|----------------------|
| $\frac{3}{4}$ inch. | $\frac{7}{8}$ inch, | 1 inch, | $1\frac{1}{8}$ inch, | $1\frac{1}{4}$ inch, |
| \$1 35.             | \$1 50              | \$1 60. | \$1 65.              | \$1 75.              |



**WM. BUTCHER AND ISAAC GREAVES' LONG THIN PARING CHISELS.**

|                     |   |   |            |                  |   |   |              |
|---------------------|---|---|------------|------------------|---|---|--------------|
| $\frac{1}{4}$ inch, | . | . | each, 28c. | 1 inch,          | . | . | each, \$0 55 |
| $\frac{3}{8}$ "     | . | . | " 30       | $1\frac{1}{4}$ " | . | . | " 75         |
| $\frac{1}{2}$ "     | . | . | " 35       | $1\frac{1}{2}$ " | . | . | " 85         |
| $\frac{5}{8}$ "     | . | . | " 40       | $1\frac{3}{4}$ " | . | . | " 1 00       |
| $\frac{3}{4}$ "     | . | . | " 45       | $1\frac{7}{8}$ " | . | . | " 1 10       |
| $\frac{7}{8}$ "     | . | . | " 50       | 2 "              | . | . | " 1 20       |

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**WM. BUTCHER'S LONG THIN PARING GOUGES.**

Regular Sweep.

Middle Sweep.

Flat Sweep.



|                     |   |   | Regular.    | Middle. | Flat Sweep. |
|---------------------|---|---|-------------|---------|-------------|
| $\frac{3}{8}$ inch, | . | . | each \$0 45 | \$0 45  | \$0 45      |
| $\frac{1}{2}$ "     | . | . | " 50        | 50      | 50          |
| $\frac{3}{4}$ "     | . | . | " 60        | 60      | 60          |
| 1 "                 | . | . | " 75        | 75      | 75          |
| $1\frac{1}{4}$ "    | . | . | " 90        | 90      | 90          |
| $1\frac{1}{2}$ "    | . | . | " 1 10      | 1 10    | 1 10        |
| $1\frac{3}{4}$ "    | . | . | " 1 25      | 1 25    | 1 25        |
| 2 "                 | . | . | " 1 50      | 1 50    | 1 50        |



**WM. BUTCHER'S CELEBRATED TURNING CHISELS.**

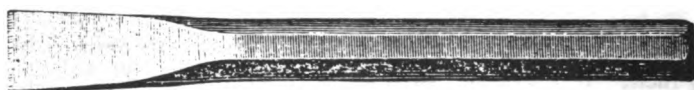
|                     |   |   |            |                     |   |   |           |      |
|---------------------|---|---|------------|---------------------|---|---|-----------|------|
| $\frac{1}{8}$ inch, | . | . | each, 30c. | $\frac{1}{8}$ inch, | . | . | each, \$0 | 45   |
| $\frac{1}{4}$ "     | . | . | " 30       | 1 "                 | . | . | "         | 50   |
| $\frac{3}{8}$ "     | . | . | " 32       | $1\frac{1}{4}$ "    | . | . | "         | 60   |
| $\frac{1}{2}$ "     | . | . | " 35       | $1\frac{1}{2}$ "    | . | . | "         | 75   |
| $\frac{5}{8}$ "     | . | . | " 38       | $1\frac{3}{4}$ "    | . | . | "         | 90   |
| $\frac{3}{4}$ "     | . | . | " 40       | 2 "                 | . | . | "         | 1 00 |

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**WM. BUTCHER'S CELEBRATED TURNING GOUGES.**

|                     |   |   |            |                     |   |   |           |      |
|---------------------|---|---|------------|---------------------|---|---|-----------|------|
| $\frac{1}{8}$ inch, | . | . | each, 38c. | $\frac{1}{8}$ inch, | . | . | each, \$0 | 60   |
| $\frac{1}{4}$ "     | . | . | " 38       | 1 "                 | . | . | "         | 65   |
| $\frac{3}{8}$ "     | . | . | " 40       | $1\frac{1}{4}$ "    | . | . | "         | 80   |
| $\frac{1}{2}$ "     | . | . | " 40       | $1\frac{1}{2}$ "    | . | . | "         | 1 10 |
| $\frac{5}{8}$ "     | . | . | " 45       | $1\frac{3}{4}$ "    | . | . | "         | 1 20 |
| $\frac{3}{4}$ "     | . | . | " 50       | 2 "                 | . | . | "         | 1 50 |

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**COLD CHISELS.**

|   |   |   |   |   |      |
|---|---|---|---|---|------|
| Cold Chisels, Solid Cast Steel, $\frac{1}{2}$ inch, | . | . | . | . | 25c. |
| " " " $\frac{3}{8}$ "                               | . | . | . | . | 35   |
| " " " $\frac{1}{4}$ "                               | . | . | . | . | 40   |
| " " " $\frac{1}{8}$ "                               | . | . | . | . | 50   |

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**BRICK CHISELS.**

Brick Chisels of superior quality, made of old files, each, 25c.

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**JOINT CHISELS.**

Joint Chisels of superior quality, made of old files, each, 25c.

## CARPENTERS' SLICKS.



|   |   |   |   |              |
|---|---|---|---|--------------|
| Cast Steel Carpenters' Slicks, 2½ inch, | . | . | . | each, \$2 00 |
| " " " 3 "                               | . | . | . | " 2 25       |
| " " " 3½ "                              | . | . | . | " 2 75       |

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## PUGH'S CAST STEEL CARPENTERS' AUGERS.



|                        |      |                      |      |
|------------------------|------|----------------------|------|
| ½ inch, . . . each, \$ | 56   | 1½ inch, . . . each, | 1 54 |
| ⅝ " . . . "            | 70   | 1½ " . . . "         | 1 68 |
| ¾ " . . . "            | 84   | 1¾ " . . . "         | 1 82 |
| ⅞ " . . . "            | 98   | 1¾ " . . . "         | 1 96 |
| 1 " . . . "            | 1 12 | 1¾ " . . . "         | 2 10 |
| 1½ " . . . "           | 1 26 | 2 " . . . "          | 2 24 |
| 1½ " . . . "           | 1 40 |                      |      |

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## IVE'S CAST STEEL CARPENTERS' AUGERS.



|                          |                      |    |
|--------------------------|----------------------|----|
| ½ inch, . . . each, 35c. | 1½ inch, . . . each, | 70 |
| ⅝ " . . . " 40           | 1½ " . . . " 75      |    |
| ¾ " . . . " 45           | 1¾ " . . . " 80      |    |
| ⅞ " . . . " 50           | 1¾ " . . . " 85      |    |
| 1 " . . . " 55           | 1¾ " . . . " 90      |    |
| 1½ " . . . " 60          | 2 " . . . " 1 00     |    |
| 1½ " . . . " 65          |                      |    |

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## PUGH'S CAST STEEL POST AUGERS.

|                            |                      |      |
|----------------------------|----------------------|------|
| 2 inch, . . . each, \$2 40 | 2¾ inch, . . . each, | 2 85 |
| 2½ " . . . " 2 55          | 2½ " . . . " 3 00    |      |
| 2½ " . . . " 2 70          |                      |      |

## PUGH'S CAST STEEL MILLWRIGHTS' AUGERS.

|                     |   |   |              |                      |   |              |
|---------------------|---|---|--------------|----------------------|---|--------------|
| $\frac{3}{4}$ inch, | . | . | each, \$1 35 | $1\frac{1}{4}$ inch, | . | each, \$2 25 |
| $\frac{7}{8}$ "     | . | . | " 1 57       | $1\frac{1}{2}$ "     | . | " 2 70       |
| 1 "                 | . | . | " 1 80       | $1\frac{3}{4}$ "     | . | " 3 15       |
| $1\frac{1}{2}$ "    | . | . | " 2 03       | 2 "                  | . | " 3 60       |

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## PUGH'S CAST STEEL AUGER BITS.



|                     |   |   |             |                      |   |             |
|---------------------|---|---|-------------|----------------------|---|-------------|
| $\frac{1}{8}$ inch, | . | . | each, 45 c. | $1\frac{1}{2}$ inch, | . | each, \$ 91 |
| $\frac{1}{4}$ "     | . | . | " 45        | $1\frac{3}{4}$ "     | . | " 98        |
| $\frac{3}{8}$ "     | . | . | " 45        | $1\frac{5}{8}$ "     | . | " 1 05      |
| $\frac{1}{2}$ "     | . | . | " 45        | $1\frac{7}{8}$ "     | . | " 1 12      |
| $\frac{5}{8}$ "     | . | . | " 45        | $1\frac{7}{8}$ "     | . | " 1 19      |
| $\frac{3}{4}$ "     | . | . | " 56        | $1\frac{7}{8}$ "     | . | " 1 26      |
| $\frac{7}{8}$ "     | . | . | " 63        | $1\frac{7}{8}$ "     | . | " 1 40      |
| $1\frac{0}{8}$ "    | . | . | " 70        | $1\frac{7}{8}$ "     | . | " 1 54      |
| $1\frac{1}{8}$ "    | . | . | " 77        | $1\frac{7}{8}$ "     | . | " 1 68      |
| $1\frac{1}{4}$ "    | . | . | " 84        |                      |   |             |

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## IVE'S PATENT CAST STEEL AUGER BITS.



|                     |   |   |             |                      |   |             |
|---------------------|---|---|-------------|----------------------|---|-------------|
| $\frac{3}{8}$ inch, | . | . | each, 35 c. | $1\frac{0}{8}$ inch, | . | each, 38 c. |
| $\frac{1}{2}$ "     | . | . | " 30        | $1\frac{1}{8}$ "     | . | " 40        |
| $\frac{5}{8}$ "     | . | . | " 30        | $1\frac{1}{4}$ "     | . | " 42        |
| $\frac{3}{4}$ "     | . | . | " 30        | $1\frac{3}{8}$ "     | . | " 45        |
| $\frac{7}{8}$ "     | . | . | " 30        | $1\frac{1}{2}$ "     | . | " 50        |
| $1\frac{0}{8}$ "    | . | . | " 30        | $1\frac{3}{4}$ "     | . | " 53        |
| $1\frac{1}{8}$ "    | . | . | " 35        | $1\frac{7}{8}$ "     | . | " 60        |

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## COOK'S CAST STEEL, ROUND LIP, AUGER BITS.



|                     |   |   |             |                      |   |             |
|---------------------|---|---|-------------|----------------------|---|-------------|
| $\frac{1}{4}$ inch, | . | . | each, 40 c. | $1\frac{1}{2}$ inch, | . | each, \$ 65 |
| $\frac{3}{8}$ "     | . | . | " 40        | $1\frac{3}{4}$ "     | . | " 75        |
| $\frac{1}{2}$ "     | . | . | " 40        | $1\frac{5}{8}$ "     | . | " 80        |
| $\frac{5}{8}$ "     | . | . | " 45        | $1\frac{7}{8}$ "     | . | " 85        |
| $\frac{3}{4}$ "     | . | . | " 50        | $1\frac{7}{8}$ "     | . | " 90        |
| $\frac{7}{8}$ "     | . | . | " 55        | $1\frac{7}{8}$ "     | . | " 1 00      |
| $1\frac{0}{8}$ "    | . | . | " 60        |                      |   |             |

## JENNING'S CAST STEEL AUGER BITS.



|                     |   |   |             |                     |   |   |          |      |
|---------------------|---|---|-------------|---------------------|---|---|----------|------|
| $\frac{1}{8}$ inch, | . | . | each, 40 c. | $\frac{1}{2}$ inch, | . | . | each, \$ | 60   |
| $\frac{1}{8}$ "     | . | . | " 40        | $\frac{1}{2}$ "     | . | . | "        | 65   |
| $\frac{1}{4}$ "     | . | . | " 40        | $\frac{1}{2}$ "     | . | . | "        | 75   |
| $\frac{1}{4}$ "     | . | . | " 40        | $\frac{1}{2}$ "     | . | . | "        | 90   |
| $\frac{1}{2}$ "     | . | . | " 45        | $\frac{1}{2}$ "     | . | . | "        | 85   |
| $\frac{1}{2}$ "     | . | . | " 50        | $\frac{1}{2}$ "     | . | . | "        | 90   |
| $\frac{1}{2}$ "     | . | . | " 55        | $\frac{1}{2}$ "     | . | . | "        | 1 00 |

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## SNELL'S CAST STEEL CAR BITS.

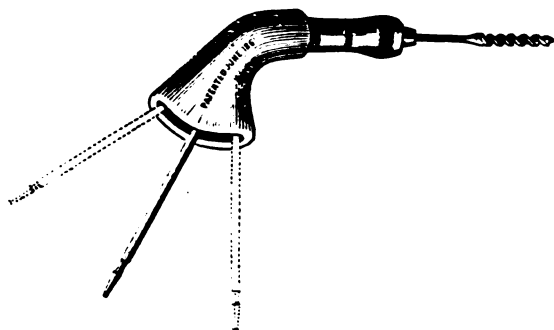
9 inch Twist.



|                     |   |   |             |                     |   |   |          |      |
|---------------------|---|---|-------------|---------------------|---|---|----------|------|
| $\frac{1}{8}$ inch, | . | . | each, 35 c. | $\frac{1}{8}$ inch, | . | . | each, \$ | 85   |
| $\frac{1}{8}$ "     | . | . | " 40        | $\frac{1}{8}$ "     | . | . | "        | 90   |
| $\frac{1}{4}$ "     | . | . | " 45        | $\frac{1}{8}$ "     | . | . | "        | 90   |
| $\frac{1}{4}$ "     | . | . | " 50        | $\frac{1}{8}$ "     | . | . | "        | 95   |
| $\frac{1}{2}$ "     | . | . | " 60        | $\frac{1}{8}$ "     | . | . | "        | 1 00 |
| $\frac{1}{2}$ "     | . | . | " 65        | $\frac{1}{8}$ "     | . | . | "        | 1 10 |
| $\frac{1}{2}$ "     | . | . | " 75        |                     |   |   |          |      |

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## UNIVERSAL ANGULAR BIT STOCK.



The Universal Angular Bit Stock allows you to bore holes in a corner, alongside a wall, between beams, shelves, &c., and in any angle or position with the same ease and dispatch as with an ordinary Brace and Bit.

The handle may be used in places where there is not sufficient room for the Brace. The angle may be varied either at the commencement or during the operation of boring a hole. Each, \$2 00

**CLARK'S PATENT EXPANSION AUGER BITS.**

No. 1. Auger Bit, with 2 Cutters, one boring from  $\frac{1}{2}$  to  $\frac{3}{4}$ , and the other from  $\frac{3}{4}$  to  $1\frac{1}{2}$  inches.

Each . . . . . \$1 75

No. 2. Auger Bit, with 2 Cutters, one boring from  $\frac{1}{2}$  to  $1\frac{1}{2}$ , and the other from  $1\frac{1}{2}$  to 3 inches.

Each, . . . . . \$2 50

|                              |     |             |
|------------------------------|-----|-------------|
| Extra Cutters for No. 1 Bit, | . . | each, 35 c. |
| “ “ for No. 2 “              | . . | “ 50        |
| “ Screws for No. 1 “         | . . | “ 08        |
| “ “ for No. 2 “              | . . | “ 10        |

—:O:—

**HAND RAIL AUGER BITS.**

$\frac{3}{4}$  inch, . . . . . each, 96c.

—:O:—

**JENNING'S CAST STEEL DOWEL BITS.**

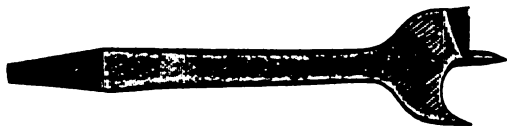
|                |            |                |            |
|----------------|------------|----------------|------------|
| 4-16 inch, . . | each, 35c. | 6-16 inch, . . | each, 40c. |
| 5-16 “ . .     | “ 38       | 7-16 “ . .     | “ 50       |

PATENT DIAGONAL BIT HOLDER.



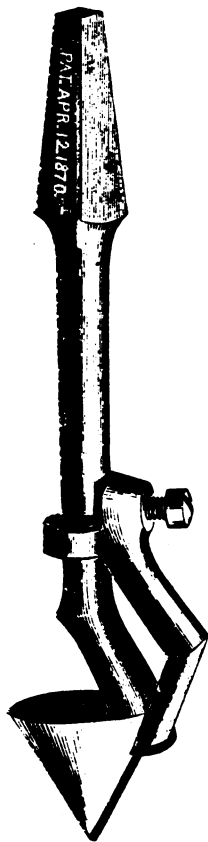
Each, . . . . . \$2 50

## CENTRE BITS.



|                     |   |   |            |                      |   |   |            |
|---------------------|---|---|------------|----------------------|---|---|------------|
| $\frac{1}{4}$ inch, | . | . | each, 15c. | $1\frac{1}{8}$ inch, | . | . | each, 28c. |
| $\frac{3}{8}$ "     | . | . | " 15       | $1\frac{1}{2}$ "     | . | . | " 28       |
| $\frac{7}{16}$ "    | . | . | " 18       | $1\frac{3}{4}$ "     | . | . | " 30       |
| $\frac{1}{2}$ "     | . | . | " 18       | $1\frac{7}{8}$ "     | . | . | " 35       |
| $\frac{9}{16}$ "    | . | . | " 20       | $1\frac{15}{16}$ "   | . | . | " 38       |
| $\frac{5}{8}$ "     | . | . | " 22       | $1\frac{1}{4}$ "     | . | . | " 40       |
| $\frac{3}{4}$ "     | . | . | " 25       | $1\frac{3}{8}$ "     | . | . | " 45       |
| 1 "                 | . | . | " 25       | 2 "                  | . | . | " 50       |

:O:

WHEELER'S PATENT COUNTERSINK, FOR WOOD,  
WITH PATENT GAUGE ATTACHMENT.

This Countersink cuts rapidly, will not clog with shavings, makes a perfectly smooth and round hole, and may be used equally well for any sized Screw. An ingenious adaptation of a Gauge, as shown in the Engraving, gives great facility and accuracy where many screws of the same size are to be used; as the Gauge can be easily adjusted so that the Countersink will cease to cut at any required depth.

|             |   |   |   |   |   |      |
|-------------|---|---|---|---|---|------|
| With Gauge, | . | . | . | . | . | 50c. |
| Without "   | . | . | . | . | . | 40   |



## TWISTED GIMLET BITS.



|                 |            |                 |            |
|-----------------|------------|-----------------|------------|
| 1-8 inch, . . . | each, 20c. | 1-4 inch, . . . | each, 20c. |
| 5-32 " . . .    | " 20       | 5-16 " . . .    | " 22       |
| 3-16 " . . .    | " 20       | 3-8 " . . .     | " 22       |



## SHELL GIMLET BITS.



|                 |            |                 |            |
|-----------------|------------|-----------------|------------|
| 1-8 inch, . . . | each, 20c. | 1-4 inch, . . . | each, 20c. |
| 5-32 " . . .    | " 20       | 5-16 " . . .    | " 22       |
| 3-16 " . . .    | " 20       | 3-8 " . . .     | " 22       |



## DOUBLE OUT GIMLET BITS.

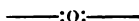


|                              |                                       |
|------------------------------|---------------------------------------|
| No. 1, 5-32 inch, each, 10c. | No. 4, $\frac{1}{2}$ inch, each, 15c. |
| " 2, 3-16 " " 12             | " 5, 5-32 " " 20                      |
| " 3, 7-32 " " 15             | " 6, 11-64 " " 20                     |



## BRIGHT TAPER BITS.

|                     |            |
|---------------------|------------|
| 1-2 inch, . . . . . | each, 25c. |
| 5-8 " . . . . .     | " 25       |
| 3-4 " . . . . .     | " 35       |
| 7-8 " . . . . .     | " 40       |



## SCREW DRIVER BITS.



|  |            |
|--|------------|
| Screw Driver Bits, Assorted Sizes, . . . . .         | each, 20c. |
| " Bed " " " . . . . .                                | " 20       |
| Slotted Screw Driver Bits, Assorted Sizes, . . . . . | " 20       |

**SPOON BITS.**

|            |   |            |            |   |            |
|------------|---|------------|------------|---|------------|
| 1-16 inch, | . | each, 18c. | 3-16 inch, | . | each, 15c. |
| 3-32 "     | . | " 15       | 1-4 "      | . | " 18       |
| 1-8 "      | . | " 15       | 5-16 "     | . | " 18       |
| 5-32 "     | . | " 15       | 3-8 "      | . | " 20       |

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**SHELL BITS.**

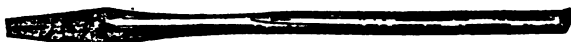
|            |   |            |            |   |            |
|------------|---|------------|------------|---|------------|
| 1-16 inch, | . | each, 18c. | 3-16 inch, | . | each, 15c. |
| 3-32 "     | . | " 15       | 1-4 "      | . | " 18       |
| 1-8 "      | . | " 15       | 5-16 "     | . | " 18       |
| 5-32 "     | . | " 15       | 3-8 "      | . | " 20       |

—:O:—

**TWISTED SHELL BITS.**

|            |   |            |            |   |            |
|------------|---|------------|------------|---|------------|
| 1-16 inch, | . | each, 18c. | 3-16 inch, | . | each, 15c. |
| 1-32 "     | . | " 15       | 1-4 "      | . | " 18       |
| 3-8 "      | . | " 15       | 5-16 "     | . | " 18       |
| 5-32 "     | . | " 15       | 3-8 "      | . | " 20       |

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**NOSE BITS.**

|            |   |            |            |   |            |
|------------|---|------------|------------|---|------------|
| 1-16 inch, | . | each, 18c. | 3-16 inch, | . | each, 15c. |
| 3-32 "     | . | " 15       | 1-4 "      | . | " 18       |
| 1-8 "      | . | " 15       | 5-16 "     | . | " 18       |
| 5-32 "     | . | " 15       | 3-8 "      | . | " 20       |

—:O:—

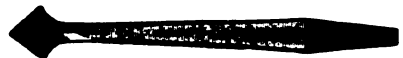
**REAMER BITS.**

|                                   |   |   |   |   |            |
|-----------------------------------|---|---|---|---|------------|
| 1-2 inch, Half Round Reamer Bits, | . | . | . | . | each, 20c. |
| 5-8 " " " " " " " "               | . | . | . | . | " 30       |
| 4 Square " " " " " "              | . | . | . | . | " 20       |
| 8 " " " " " "                     | . | . | . | . | " 20       |

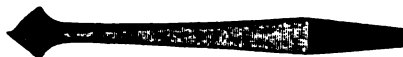
## COUNTERSINK BITS.



Flat Countersink Bits, assorted sizes, . . . each, 20c.



Rose Countersink Bits, assorted, small, . . . each, 20c.  
 " " " " large, . . . " 30



Snail Countersink Bits, assorted sizes, . . . each, 20c.



Wood Countersink Bits, assorted sizes, . . . each, 20c.

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## STEEL DRILL BITS.

Steel Drill Bits, assorted sizes, . . . each, 20c.

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## BIT-STOCK DRILLS.



| Dia. of Drills. | Price per doz. | Price each. | Dia. of Drills. | Price per doz. | Price each. |
|-----------------|----------------|-------------|-----------------|----------------|-------------|
| $\frac{1}{16}$  | \$1 75         | 15 cts.     | $\frac{1}{8}$   | \$6 50         | 60 cts.     |
| $\frac{1}{8}$   | 2 00           | 20 "        | $\frac{1}{4}$   | 7 50           | 65 "        |
| $\frac{1}{4}$   | 3 50           | 25 "        | $\frac{3}{8}$   | 8 50           | 75 "        |
| $\frac{1}{2}$   | 3 00           | 30 "        | $\frac{1}{2}$   | 9 50           | 85 "        |
| $\frac{3}{4}$   | 3 50           | 35 "        | $\frac{7}{8}$   | 10 75          | 95 "        |
| $\frac{7}{8}$   | 4 25           | 40 "        | $1\frac{1}{8}$  | 12 00          | 1 05 "      |
| $1\frac{1}{8}$  | 5 00           | 45 "        | $1\frac{1}{4}$  | 13 25          | 1 15 "      |
| $1\frac{1}{2}$  | 5 75           | 50 "        |                 |                |             |

Price per set,  $\frac{1}{16}$  to  $\frac{1}{4}$  by 32d,  $\frac{1}{4}$  to  $\frac{3}{8}$  by 16th. Boxed, \$3 10.

**SCRATCH AWLS.**

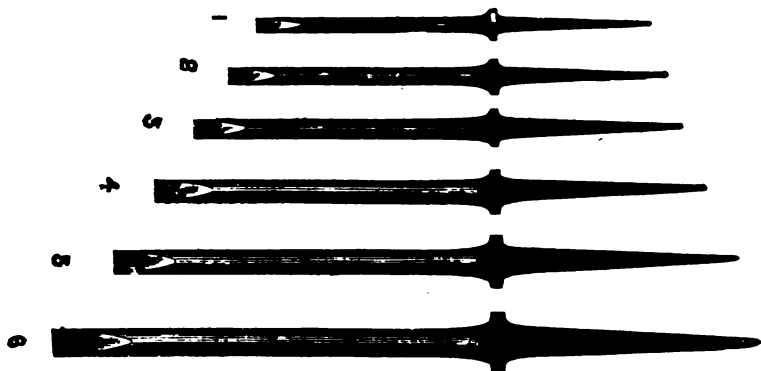
Crossman's Warranted Cast Steel Socket Scratch Awls, each, 20c.

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**NAIL PUNCHES.**

Solid Cast Steel Nail Punches, assorted sizes, each, 10 and 12c.

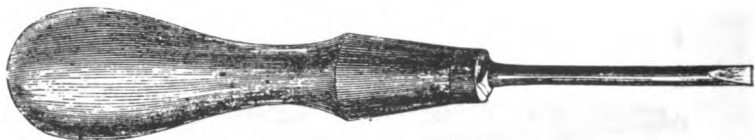
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**BRAD AWL BLADES.**

The sizes in cut represent the full size of Blades, so that by reference to the number you can order the size wanted.

|                                    |   |   |   |   |           |
|------------------------------------|---|---|---|---|-----------|
| Nos. 1, 2, and 3, Brad Awl Blades, | . | . | . | . | each, 3c. |
| " 4 and 5                          | " | " | . | . | " 4       |
| " 6,                               | " | " | . | . | " 5       |

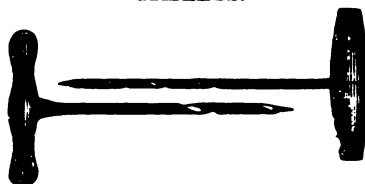
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**HANDLED BRAD AWLS.**

The Blades used in these are the same as shown above.

Extra good quality Awls, carefully handled and Tempered with Ebony Finished Handles.

Handled Brad Awls, . . . . . each, 10c.

**GIMLETS.**

|   |            |
|---|------------|
| Iron Handle Gimlets, assorted sizes, . . . .              | each, 08c. |
| Booth & Mills' Extra Quality Wood Handle Gimlets, . . . . | " 15       |
| Wood Handle Gimlets, assorted, small, . . . .             | " 06       |
| " " " " medium, . . . .                                   | " 08       |
| " " " " spike, . . . .                                    | " 12       |

**SCREW DRIVERS.**

|  |            |
|--|------------|
| 1 inch Screw Driver, . . . .                       | each, 12c. |
| Sewing Machine Screw Driver, . . . .               | " 15       |
| Coffin " " . . . .                                 | " 35       |
| Booth & Mills' 2 inch, Round Screw Driver, . . . . | " 15       |

**BOOTH & MILLS' SUPERIOR QUALITY SCREW DRIVERS.****WARRANTED.**

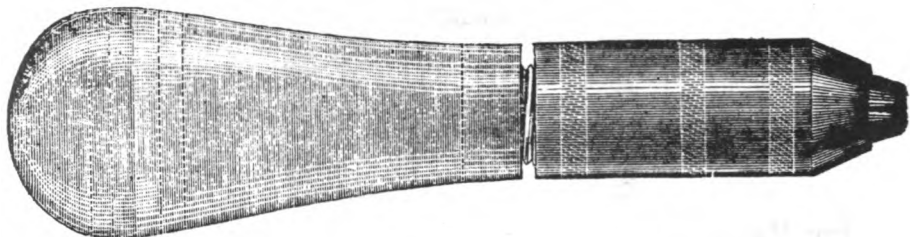
Every Blade is forged from Bar Steel made expressly for these  
Screw Drivers.



|                          |                           |
|--------------------------|---------------------------|
| 2 inch, . . . each, 25c. | 7 inch, . . . each, \$ 55 |
| 2½ " . . . " 25          | 8 " . . . " 60            |
| 3 " . . . " 25           | 9 " . . . " 65            |
| 4 " . . . " 30           | 10 " . . . " 75           |
| 5 " . . . " 35           | 12 " . . . " 1 00         |
| 6 " . . . " 45           |                           |

**HUBER'S CAST STEEL SCREW DRIVER.**

18 inch, suitable for Bedstead use, Round, warranted, each, 1 10

**MILLER'S PATENT ADJUSTABLE TOOL HOLDER.**

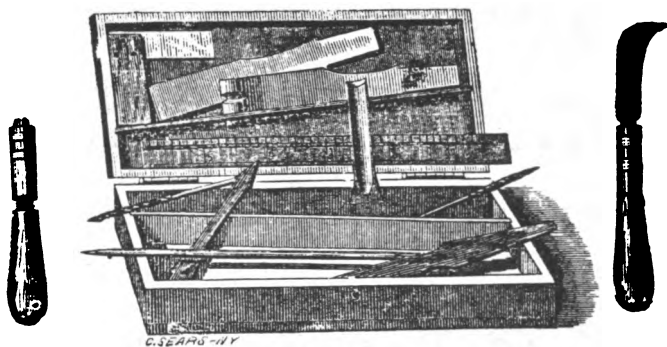
Hollow Handle, with 20 Cast Steel Tools, . . . each, \$1 00

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**AIKEN'S PATENT ADJUSTABLE TOOL HOLDER.**

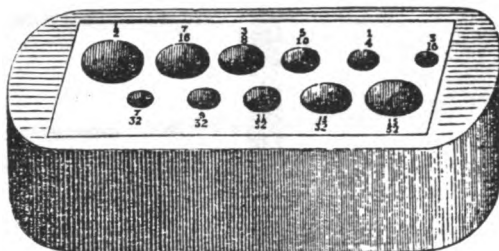
Hollow Handle, with 20 Cast Steel Tools, . . . each, 1 35

—:O:—

**FAMILY TOOL CHEST.**

- No. 1. Contains a complete assortment of C. S. Tools (20 in number). Also, a Patent Adjustable Hollow Holder, with an additional number of 12 Brad Awls, Chisels, &c., in the Handle, and all enclosed in a nice Cherry Case, . . . each, \$4 00
- No. 2. Contains an assortment of C. S. Tools (9 in number). Also, a Patent Adjustable Hollow Holder, with an additional number of 12 Brad Awls, Chisels, &c., in the Handle, and all enclosed in a neat pasteboard case. Especially adapted to the wants of every family, . . . . . each, \$1 85

## DOWEL PLATES.

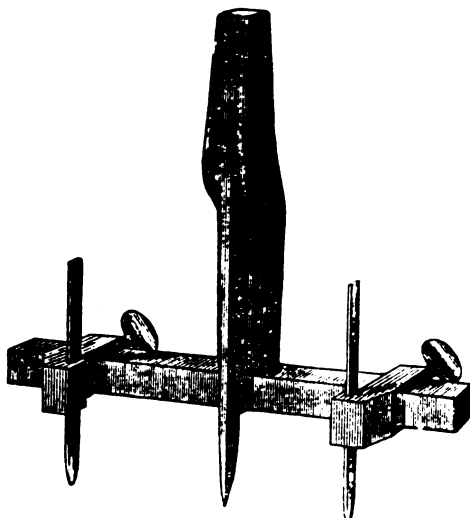


A Plate for making Wooden Pins is a great convenience to every worker in wood. Heretofore they have been made in an expensive manner, with a small variety of sizes. The Dowel Plate represented by the above cut will make pins from  $\frac{1}{8}$  inch to  $\frac{3}{16}$  by 32nds. This is not only a useful tool for making pins, but invaluable for the purposes of a Gauge or Size-Plate, and should be, for convenience sake, in the hands of every mechanic who uses boring or drilling tools.

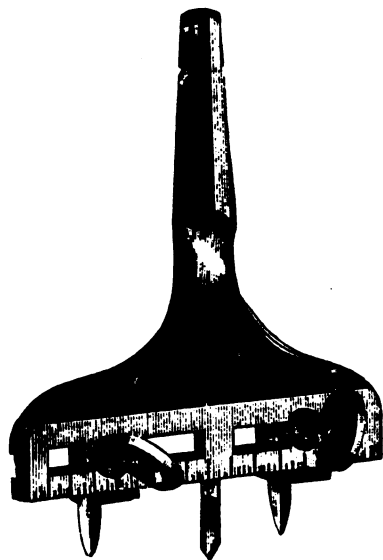
Each, . . . . . 85c.

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## DOUBLE WASHER CUTTERS.



This Double Washer Cutter is simple and cheap. The Cutters are fastened so simply that in case of their wearing out or breaking, they can be easily replaced by any one, . . . each, 90c.  
Forster & Kreuter's Washer Cutters, . . . each, \$1 35

**PATENT DOUBLE WASHER CUTTER.**

It has a Graduated Scale, and can be easily adjusted by the simple turn of a screw, to cut any desired size up to  $3\frac{1}{4}$  inches diameter, . . . . . each, \$1 35

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**CARPENTERS' PINCERS.**

|                              |           |            |
|------------------------------|-----------|------------|
| Carpenters' Pincers, 6 inch, | . . . . . | each, 25c. |
| " " 7 "                      | . . . . . | " 30       |
| " " 8 "                      | . . . . . | " 40       |
| " " 9 "                      | . . . . . | " 45       |

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**FINE COTTON CHALK LINES.**

|          |           |            |
|----------|-----------|------------|
| 15 feet, | . . . . . | each, 10c. |
| 18 "     | . . . . . | " 10       |
| 36 "     | . . . . . | " 15       |

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**CHALK LINE REELS.**

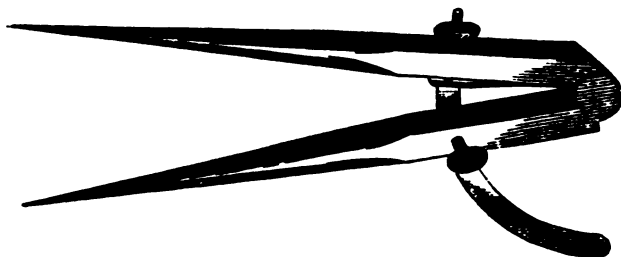
|                              |           |            |
|------------------------------|-----------|------------|
| Chalk Line Reels, with Awls, | . . . . . | each, 15c. |
|------------------------------|-----------|------------|



**COMPASSES.**

|        |            |                             |   |   |   |            |
|--------|------------|-----------------------------|---|---|---|------------|
| 6 inch | Compasses, | with Steel Points,          | . | . | . | each, 25c. |
| 7 "    | "          | "                           | " | " | " | 30         |
| 8 "    | "          | Solid Cast Steel, Polished, | . | . | " | 35         |
| 4 "    | "          | "                           | " | " | " | 38         |
| 5 "    | "          | "                           | " | " | " | 40         |
| 6 "    | "          | "                           | " | " | " | 45         |
| 7 "    | "          | "                           | " | " | " | 50         |
| 8 "    | "          | "                           | " | " | " | 60         |

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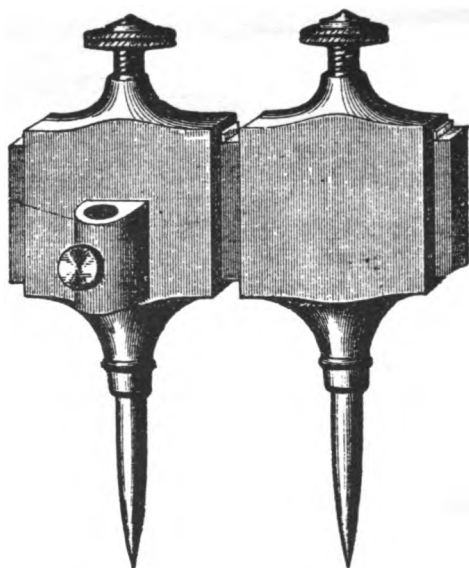
**DIVIDERS.**

|        |           |                             |   |   |             |
|--------|-----------|-----------------------------|---|---|-------------|
| 5 inch | Dividers, | Solid Cast Steel, Polished, | . | . | each, \$ 50 |
| 6 "    | "         | "                           | " | " | 65          |
| 7 "    | "         | "                           | " | " | 75          |
| 8 "    | "         | "                           | " | " | 85          |
| 10 "   | "         | "                           | " | " | 1 00        |
| 12 "   | "         | "                           | " | " | 1 25        |
| 15 "   | "         | "                           | " | " | 1 65        |
| 18 "   | "         | "                           | " | " | 2 25        |

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**LEAD PENCILS.**

|  |   |   |   |   |           |
|--|---|---|---|---|-----------|
| Hessenbruch's Superior Quality Black Lead Pencils, |   |   |   |   |           |
| assorted colors of woods,                          | . | . | . | . | each, 5c. |
| Hessenbruch's Pencils, with red wood,              | . | . | . | . | " 5       |
| Carpenters' Oval Lead Pencils, 9 inches long,      | . | . | . | . | " 5       |
| " " " 12 "   | . | . | . | . | " 7       |

**TRAMMEL POINTS.**

|                                 |                                    |   |       |        |
|---------------------------------|------------------------------------|---|-------|--------|
| No. 1, Trammel Points, for Bar, | $\frac{9}{16} \times \frac{3}{16}$ | . | each, | 90     |
| No. 2, " " "                    | $\frac{3}{4} \times \frac{1}{2}$   | . | "     | \$1 40 |
| No. 3, " " "                    | $\frac{7}{8} \times \frac{7}{16}$  | . | "     | 2 50   |
| No. 4, " " "                    | $1\frac{3}{8} \times \frac{7}{16}$ | . | "     | 3 00   |

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**LOVEJOY'S GLASS CUTTER AND PUTTY KNIFE.**

This simple instrument will cut glass better, and with more certainty, than a Glazier's Diamond—requires no practice—is useful in every House, Store, or Shop, and will pay for itself the first time used. It is very durable, and so simple that any child can use it.

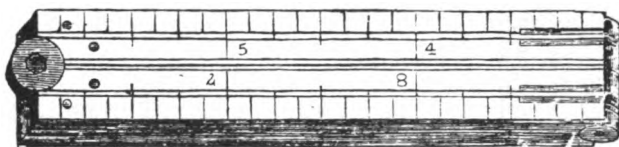
**DIRECTIONS.**—Hold the instrument in your right hand in a horizontal position, with the wheel in front of you, and the smooth side next the ruler or guide; press the wheel firmly on the glass, and draw it towards you entirely across the glass. When the glass is very thick, tap it under and along the line and it can be easily broken.

Each, . . . . . 50c.

**WEEK'S PATENT EXTENSION CENTRE BIT.**

Cutting from  $\frac{1}{4}$  to  $1\frac{1}{2}$  inch, . . . . . each, 50c.

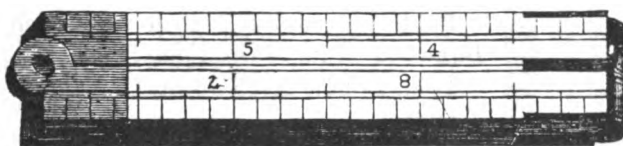
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**ONE FOOT RULES.**

Boxwood Rule, One Foot, Four Fold, Round Joint,  
 $\frac{3}{8}$  inch wide, . . . . . each, 16c.

Ivory Rule, One Foot, Four Fold, Round Joint,  $\frac{1}{2}$  inch  
 wide, . . . . . each, 50

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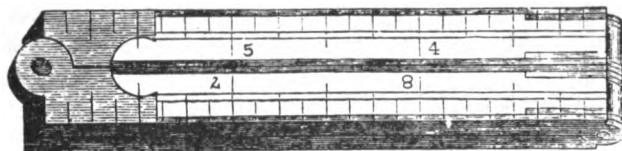


Boxwood Rule, One Foot, Four Fold, Square Joint  $\frac{3}{8}$   
 inch wide, . . . . . each, 18

Boxwood Rule, One Foot, Four Fold, Square Joint,  
 Edge Plates,  $\frac{3}{8}$  inch wide, . . . . . each, 25

Ivory Rule, One Foot, Four Fold, Square Joint,  $\frac{1}{2}$  inch  
 wide, . . . . . each, 60

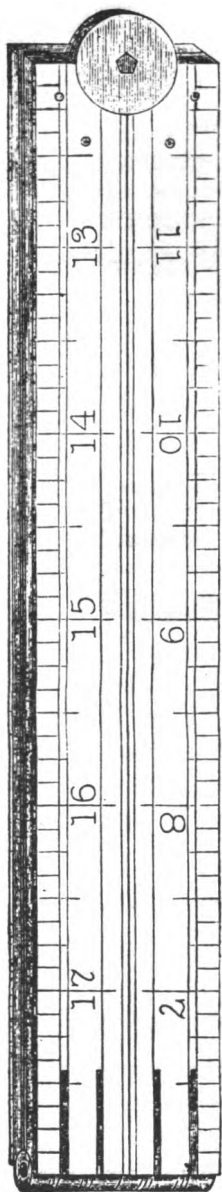
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Boxwood Rule, one foot, Four Fold, Arch Joint, Bound,  
 $\frac{3}{8}$  inch wide, . . . . . each, \$ 60

Ivory Rule, One Foot, Four Fold, Arch Joint, Edge  
 Plates,  $\frac{1}{2}$  inch wide, . . . . . each, 1 05

Ivory Rule, one Foot, Four Fold, Arch Joint German  
 Silver Bound,  $\frac{3}{8}$  inch wide, . . . . . each, 1 60



### TWO FOOT RULES, ROUND JOINT.

Boxwood Rule, Two Foot, Four  
Fold, Round Joint, 1 inch wide, each, 20

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### TWO FOOT RULES, ARCH JOINT.

Boxwood Rule, Two Foot, Four  
Fold, Arch Joint, 1 inch wide, each, 30

Boxwood Rule, Two Foot, Four  
Fold, Double Arch Joint, 1 inch  
wide, . . . . . " 45

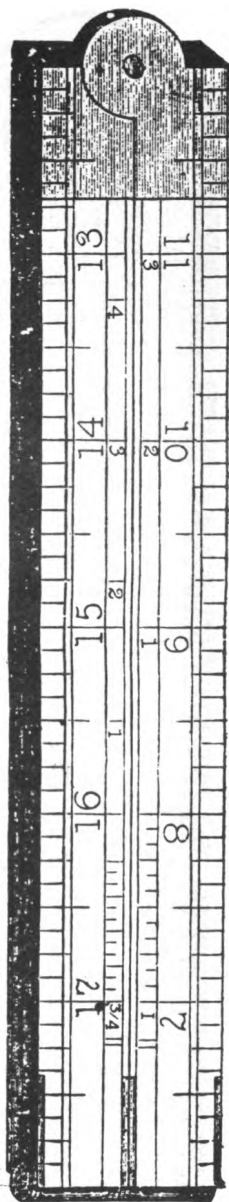
Boxwood Rule, Two Foot, Four  
Fold, Arch Joint, Bound, 1 inch  
wide, . . . . . " 75

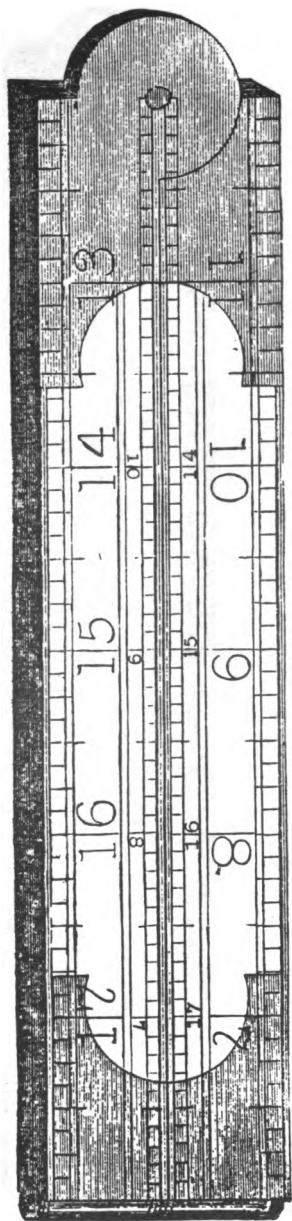
Boxwood Rule, Two Foot, Four  
Fold, Double Arch Joint, Bound,  
1 inch wide, . . . . . " \$1 05

Ivory Rule, Two Foot, Four Fold,  
Arch Joint, Edge Plates, German  
Silver, 1 inch wide, . . . . . " 3 75

**TWO FOOT RULES, SQUARE JOINT.**

|   |        |
|---|--------|
| Boxwood Rule, Two Foot, Four Fold, Square Joint, 1 inch wide, each.   | 25     |
| Boxwood Rule, Two Foot, Four Fold, Square Joint, $\frac{3}{4}$ inch wide, "                                     | 30     |
| Boxwood Rule, Two Foot, Four Fold, Square Joint, Edge Plates, 1 inch wide, . . . . . "                          | 35     |
| Boxwood Rule, Two Foot, Four Fold, Square Joint, Edge Plates, $\frac{3}{4}$ inch wide, . . . . . "              | 38     |
| Boxwood Rule, Two Foot, Four Fold, Square Joint, Bound outside, 1 inch wide, . . . . . "                        | 60     |
| Boxwood Rule, Two Foot, Four Fold, Square Joint, Bound, 1 inch wide, . . . . . "                                | 70     |
| Ivory Rule, Two Foot, Four Fold, Square Joint, Edge Plates, German Silver, $\frac{3}{4}$ inch wide, . . . . . " | \$3 00 |
| Ivory Rule, Two Foot, Four Fold, Square Joint, German Silver, Bound, 1 inch wide, . . . . . "                   | 4 00   |





### TWO FOOT RULES, BROAD.

Boxwood Rule, Two Foot,  
Broad Four Fold, Arch  
Joint,  $1\frac{3}{8}$  inch wide, each, 45

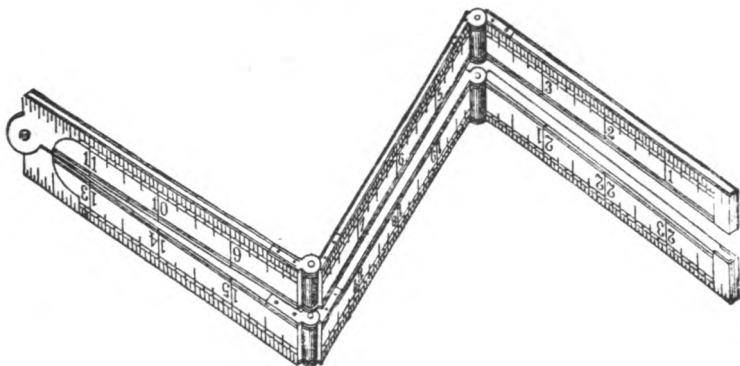
Boxwood Rule. Two Foot,  
Broad, Two Fold, Arch  
Joint, Bitted, Extra Thin,  
 $1\frac{1}{2}$  inch wide, . . each, 50

Boxwood Rule, Two Foot,  
Broad, Four Fold, Double  
Arch Joint,  $1\frac{3}{8}$  inch, wide, each, 60

Boxwood Rule, Two Foot,  
Broad, Two Fold, Arch  
Joint, Bound,  $1\frac{1}{2}$  inch  
wide, . . . each, 75

Boxwood Rule, Two Foot,  
Broad, Four Fold, Arch  
Joint, Bound,  $1\frac{1}{2}$  inch  
wide, . . . each, \$1 30

## TWO FOOT RULES.



Boxwood Rule, Two Foot, Six Fold, Arch Joint,  
Edge Plates, 8ths, and 16ths of inches,  $\frac{1}{4}$  inch wide, each. 65c.

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## THREE FOOT RULES.

Boxwood Rule, Three Foot, Four Fold, Square Joint,  
1 inch wide, . . . . . each, 40

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## TWO FOOT RULES, WITH ARCHITECT'S SCALE.

Boxwood Rule, Two Foot, Four Fold, Arch Joint,  
Edge Plates,  $\frac{1}{4}$  inch wide, inside edges of Rule beveled and marked with  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{3}{8}$  and  $\frac{1}{2}$  inch scale, divided into 12ths, . . . . . each, \$2 00

Boxwood Rule, Two Foot, Four Fold, Arch Joint,  
Edge Plates, 1 inch wide, inside edges of rule beveled and marked with  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{3}{8}$  and  $\frac{1}{2}$  inch scale, divided into 12ths, . . . . . each, 2 00

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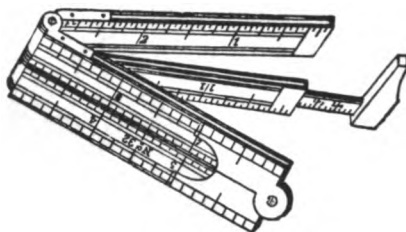
## BOARD MEASURE RULES.

Boxwood Rule, Two Foot, Four Fold, Arch Joint,  
Edge Plates,  $1\frac{1}{8}$  inch wide, . . . . . each, 65

Boxwood Rule, Two Foot, Four Fold, Square Joint,  
Edge Plates,  $1\frac{1}{8}$  inch wide, . . . . . each, 1 00

Boxwood Rule, Two Foot, Four Fold, Arch Joint,  
Bound,  $1\frac{1}{8}$  inch wide, . . . . . each, 1 10

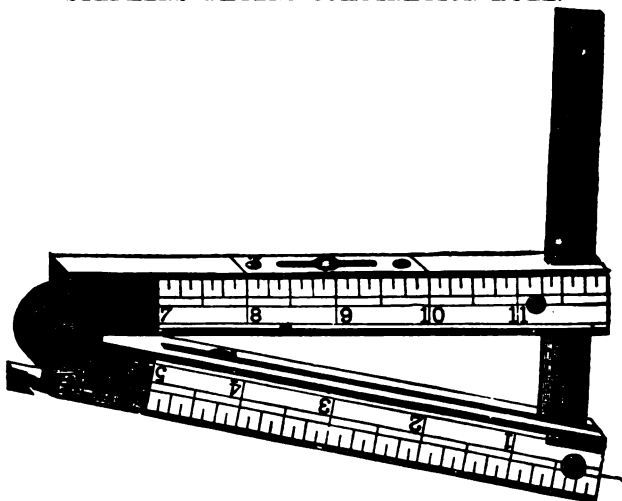
## CALIPER RULES.



|               |  |   |   |          |      |
|---------------|--|---|---|----------|------|
| Boxwood Rule, | 6 inch, Two Fold, Plain,                 | . | . | each, \$ | 35   |
| "             | " 6 " " Bound,                           | . | " |          | 60   |
| "             | " 12 " Four Fold, "                      | . | " |          | 1 00 |
| Ivory         | " 6 in., Two Fold, German Silver, Plain, | " |   |          | 75   |
| "             | " 6 in. " " Bound "                      |   |   |          | 1 50 |
| "             | " 12 in , Four Fold, "                   |   |   |          | 2 25 |

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## STEPHENS' PATENT COMBINATION RULE.



Stephens' Patent Combination Rule, which combines in itself a Carpenter's Rule, Spirit Level, Square, Plumb, Bevel, Indicator, Brace Scale, Draughting Scale, T Square, Protractor, Right Angle Triangle, and with a Straight Edge, can be used as a Parallel Ruler, all the parts of which, in their separate application, are perfectly reliable.

The Rule is made of Boxwood, 6 inch, Two Fold, Brass Bound, 1½ inch wide, . . . . . each, 2 65



**STEEL RULE.**

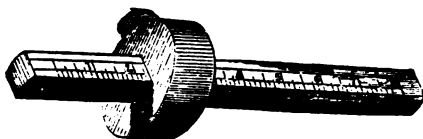
Chesterman's Thin Steel, Four Fold, One Foot, Rule, each, 35

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**PATENT IMPROVED GEAR, OR COG WHEEL CALCULATING RULE.**

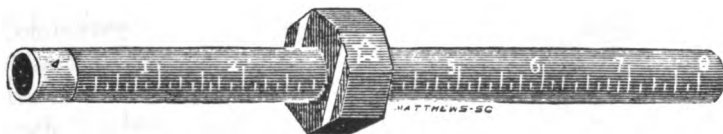
Boxwood, Two Foot, Two Fold, Brass Bound,  $1\frac{3}{4}$  inch  
wide, . . . . . each, \$4 00

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**MARKING GAUGES.**

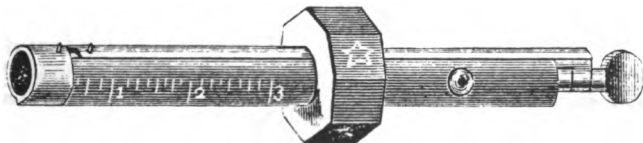
Common Marking Gauges, . . . . . each, 8  
Marking Gauge, Oval Head and Bar, with Steel Points  
and inches, . . . . . each, 10  
Marking Gauge, Boxwood, Polished, Plated Head, Box-  
wood Thumbscrew, Oval Bar, Marked, Steel Points, each, 35  
Marking Gauge, Rosewood, Plated Head and Bar,  
Brass Thumbscrew, Oval Bar, Marked, Steel Points, each, 50  
Cutting Gauges, Oval Bar, Steel Cutters with inches, each, 25

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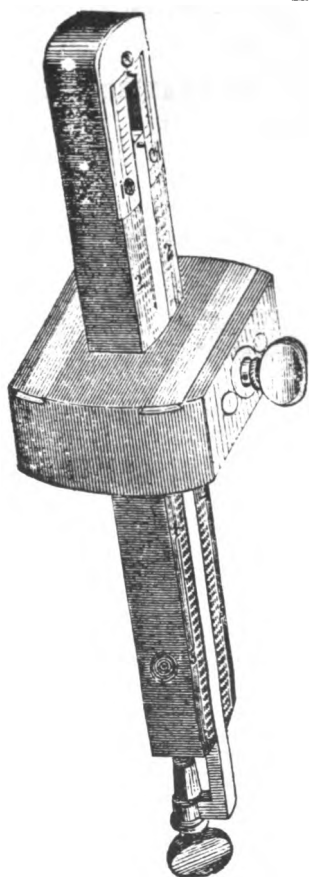
**STAR MARKING GAUGES.**

Marking Gauge, Hexagon Head and Round Bar, Steel  
Points, with inches, . . . . . each, 25  
Marking Gauge, Rosewood, Hexagon Head and Round  
Bar, Steel Points, with inches, . . . . . each, 40

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**STAR MORTISE GAUGES.**

Mortise Gauges, Mahogany Screw Slide, Plated Head,  
Steel Points, . . . . . each, 85

**MORTISE GAUGES.**

Mortise Gauge, Boxwood,  
Polished, Plated Head,  
Brass Slide, Brass Thumb-  
screw, Oval Bar, Marked,  
Steel Points. . . each, 55

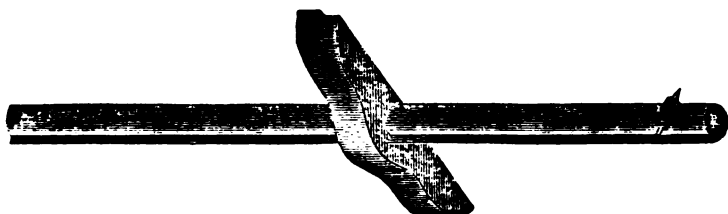
Mortise Gauge, Boxwood,  
Plated Head, Screw Slide,  
Brass Thumbscrew, Oval  
Bar, Marked, Steel Points, each, 85

Mortise Gauge, Rosewood,  
Screw Slide, Stem and  
Head, Plated, Brass Screw, each, \$1 15

Double Gauge, Marking and  
Mortise combined, Box-  
wood, Polished, Full Plated  
Head and Bars, Brass  
Thumbscrews, Oval Bars,  
Marked, Steel Points run-  
ning through Bars, each, 1 00

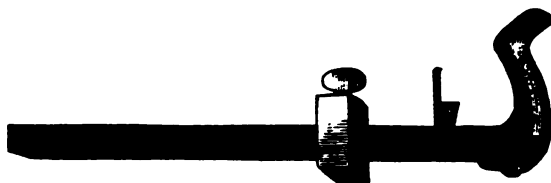
Mortise Gauges, Boxwood,  
Full Plated Head and  
Stem, Screw Slide Marked, each, 1 50

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**PANEL GAUGES.**

Panel Gauges, Apple tree, Steel Points, . . . each, 50c.

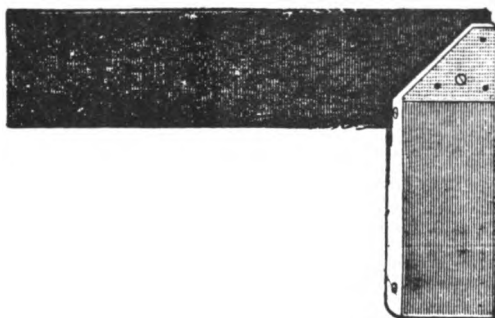
## SLITTING GAUGE.



Slitting Gauges, with Handles, . . . each, 75

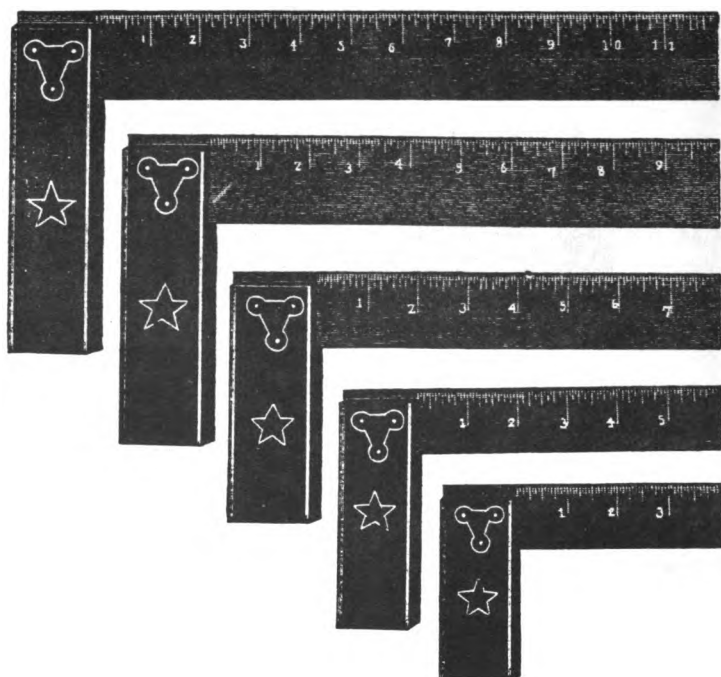


## WINTERBOTTOM'S PATENT SQUARES.



Combining both the Mitre Square and Try Square in the same tool, neither one interfering with the other, making it a perfect Mitre as well as Square.

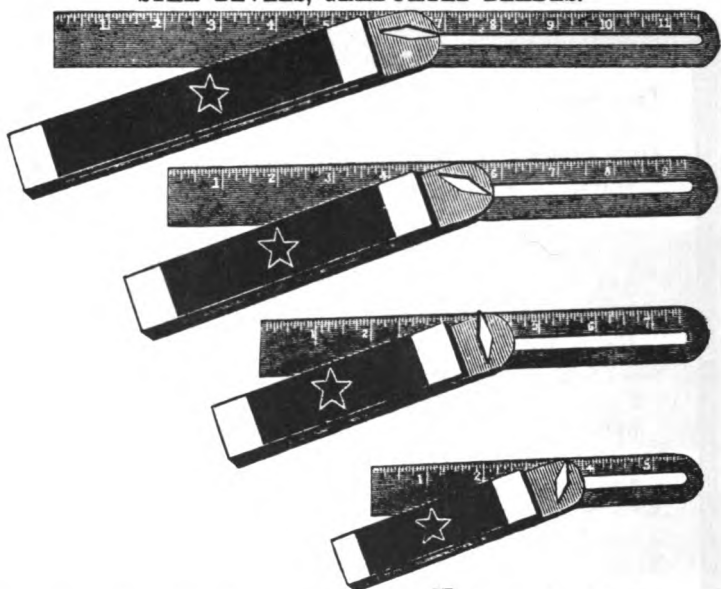
|  |   |           |      |
|--|---|-----------|------|
| 4 inch Rosewood, Plated on both sides, | . | each, \$0 | 80   |
| 5 " " " " " "                          | . | "         | 80   |
| 6 " " " " " "                          | . | "         | 85   |
| 7 " " " " " "                          | . | "         | 90   |
| 8 " " " " " "                          | . | "         | 1 00 |
| 10 " " " " " "                         | . | "         | 1 25 |
| 12 " " " " " "                         | . | "         | 1 50 |
| 15 " " " " " "                         | . | "         | 1 90 |
| 18 " " " " " "                         | . | "         | 2 25 |
| 4 inch mahogany, Single Plate,         | . | each,     | 50   |
| 5 " " " " " "                          | . | "         | 50   |
| 6 " " " " " "                          | . | "         | 55   |
| 7 " " " " " "                          | . | "         | 65   |
| 8 " " " " " "                          | . | "         | 75   |
| 10 " " " " " "                         | . | "         | 85   |
| 12 " " " " " "                         | . | "         | 1 00 |
| 15 " " " " " "                         | . | "         | 1 85 |
| 18 " " " " " "                         | . | "         | 2 00 |

**STAR TRY SQUARES, GRADUATED BLADES.**

|   |   |   |   |   |  |              |
|---|---|---|---|---|--|--------------|
| Thick Brass Back and Face, and Square Inside and outside. |   |   |   |   |  |              |
| 4 inch Star Try Squares, Graduated Blades,                |   |   |   |   |  | each, \$0 65 |
| 6 " " "   | " | . | . | " |  | 75           |
| 8 " " "   | " | . | . | " |  | 90           |
| 10 " " "  | " | . | . | " |  | 1 10         |
| 12 " " "  | " | . | . | " |  | 1 50         |



## STAR BEVELS, GRADUATED BLADES.

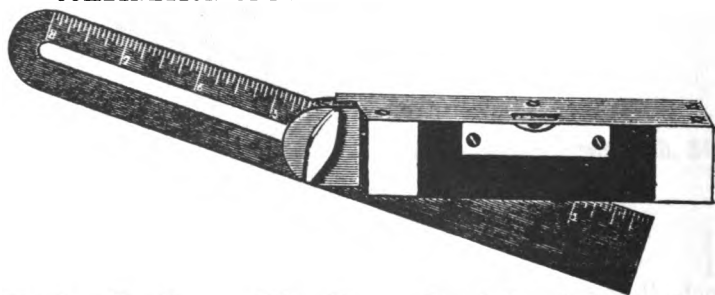


The Star Bevel is the most perfect Tool of the kind ever invented. The head of the Screw and the nut are flush with the handle, so that it can be laid perfectly flat on either side.

|   |          |      |
|---|----------|------|
| 6 inch Rosewood, with Flush Thumbscrew, | each, \$ | 75   |
| 8 " " " " " "                           | "        | 85   |
| 10 " " " " " "                          | "        | 90   |
| 12 " " " " " "                          | "        | 1 00 |

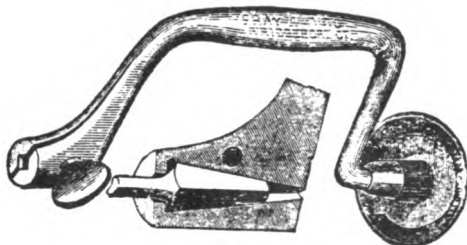
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## COMBINATION STAR BEVEL. GRADUATED BLADES.



This is a Try Square, Mitre Square, Bevel, Level, and graduated blade combined in such a manner that either can be used without interfering in any way with the others; silver-plated blade, very beautifully finished, is simple, practical, useful and economical. 8 inch, Combination Star Bevels, Graduated Blades, each, \$2 25

## SPOFFORD'S PATENT IMPROVED BIT BRACE.

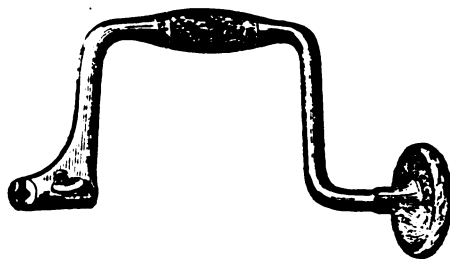


Spofford's Bit Brace take all sizes of Bits as they come from the store. The jaws or sockets readily adjusting themselves to the taper of the Bit Shank, holding it firmly and true. The smallest size, 7 inch sweep, is provided with an additional recess in the jaws of the socket by which it holds small Twist Drills, &c., having only the round wire of the drill or reamer for a shank.

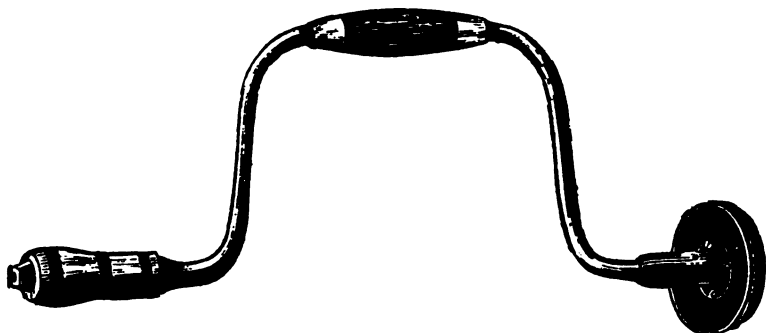
|               |             |              |
|---------------|-------------|--------------|
| 7 inch Sweep, | - . . . . . | each, \$1 20 |
| 8 " "         | . . . . .   | " 1 40       |
| 10 " "        | . . . . .   | " 1 60       |
| 12 " "        | . . . . .   | " 2 00       |

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## SPOFFORD'S PATENT IMPROVED NICKLE PLATED BIT BRACE.



|               |           |              |
|---------------|-----------|--------------|
| 7 inch Sweep, | . . . . . | each, \$1 75 |
| 8 " "         | . . . . . | " 2 00       |
| 10 " "        | . . . . . | " 2 20       |
| 12 " "        | . . . . . | " 2 50       |

**BARBER'S PATENT IMPROVED BIT BRACE.**

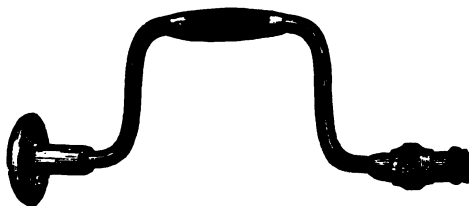
Barber's Bit Brace take all sizes of Bits as they come from the store. The jaws or sockets readily adjusting themselves to the taper of the Bit Shank, holding it firmly and true.

|                |   |   |   |   |   |   |   |           |      |
|----------------|---|---|---|---|---|---|---|-----------|------|
| 14 inch Sweep, | . | . | . | . | . | . | . | each, \$2 | 20   |
| 12 " "         | . | . | . | . | . | . | . | "         | 2 00 |
| 10 " "         | . | . | . | . | . | . | . | "         | 1 85 |
| 8 " "          | . | . | . | . | . | . | . | "         | 1 65 |
| 6 " "          | . | . | . | . | . | . | . | "         | 1 40 |

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**ROSE'S PATENT IMPROVED BIT BRACE.**

Wrought Iron, with Rosewood Handle.



|                |   |   |   |   |   |   |   |       |   |    |
|----------------|---|---|---|---|---|---|---|-------|---|----|
| 14 inch Sweep, | . | . | . | . | . | . | . | each, | 2 | 40 |
| 12 " "         | . | . | . | . | . | . | . | "     | 2 | 00 |
| 10 " "         | . | . | . | . | . | . | . | "     | 1 | 90 |
| 8 " "          | . | . | . | . | . | . | . | "     | 1 | 70 |
| 6 " "          | . | . | . | . | . | . | . | "     | 1 | 50 |

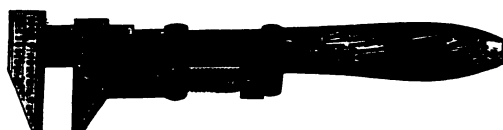
—:O:—

**BIT BRACES.**

|                                   |   |   |   |   |   |   |       |    |
|-----------------------------------|---|---|---|---|---|---|-------|----|
| 7 inch Sweep, Polished Applewood, | . | . | . | . | . | . | each, | 40 |
| 8 " " " " " "                     | . | . | . | . | . | . | "     | 50 |



## COE'S GENUINE CHAMPION WRENCHES.



## BLACK.

|         |   |              |
|---------|---|--------------|
| 6 inch, | . | each, \$0 60 |
| 8 "     | . | " 70         |
| 10 "    | . | " 85         |
| 12 "    | . | " 1 00       |
| 15 "    | . | " 1 75       |
| 18 "    | . | " 2 00       |
| 21 "    | . | " 2 50       |

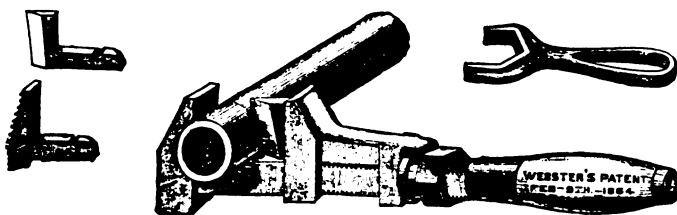
## BRIGHT.

|         |   |              |
|---------|---|--------------|
| 6 inch, | . | each, \$0 70 |
| 8 "     | . | " 80         |
| 10 "    | . | " 1 00       |
| 12 "    | . | " 1 20       |
| 15 "    | . | " 1 85       |
| 18 "    | . | " 2 25       |
| 21 "    | . | " 2 75       |

No pains have been spared to make this Wrench superior to any in the market. Each and every part is made of the best material, and thoroughly case-hardened. They are used by the best mechanics in every part of the country.

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## WEBSTER'S PATENT COMBINATION WRENCH.



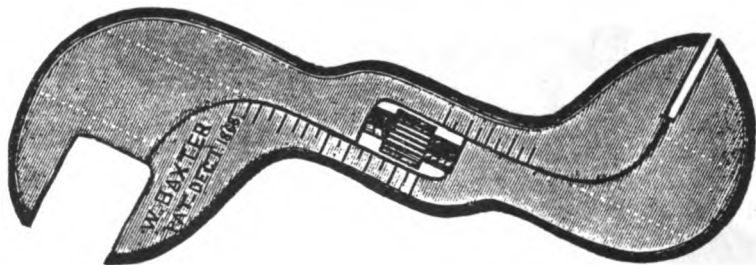
The advantages of this Wrench are too well known by Machinists, Plumbers, Gas Fitters and others, to need any comment. They are made of the very best material, and in the best manner possible.

|  |              |
|--|--------------|
| 12 inch, complete with Tools, takes $\frac{1}{8}$ to $\frac{3}{4}$ pipe, | each, \$3 75 |
| 15 " " " " " $\frac{1}{8}$ to $1\frac{1}{2}$ "                           | " 4 50       |
| 18 " " " " " $\frac{1}{8}$ to 2 "  | " 5 50       |
| 21 " " " " " $\frac{1}{8}$ to $2\frac{1}{2}$ "                           | " 6 25       |

Extra Clasps for Webster's Wrench, each.

|               |               |               |               |
|---------------|---------------|---------------|---------------|
| 12 inch, 50c. | 15 inch, 60c. | 18 inch, 65c. | 21 inch, 70c. |
|---------------|---------------|---------------|---------------|

Extra Cutters, same price as Clasps.

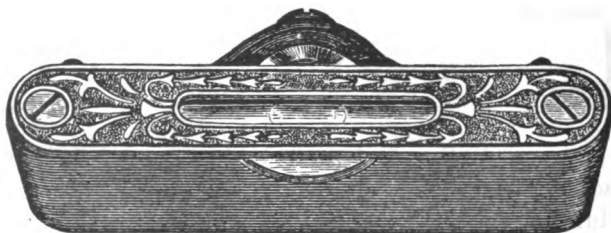
**BAXTER'S ADJUSTABLE "S" WRENCH.**

This wrench has greater capacity and greater strength than any other Adjustable Wrench. It receives the highest praise from all mechanics who have used it.

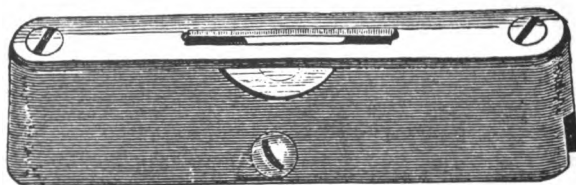
It is so shaped as to supply the greatest strength at the points where it is most needed. It is made of malleable iron, "case-hardened," and is about equal to Bessemer Steel. It will not only do all that a monkey wrench will, but will fit peculiar corners about machinery where no other would work. For agricultural machinery, carriages, wagons, sewing machines, and every kind of machinery where a wrench is requisite, this wrench is indispensable.

|         |   |              |          |   |              |
|---------|---|--------------|----------|---|--------------|
| 4 inch, | . | each, \$0 55 | 10 inch, | . | each, \$1 65 |
| 6 "     | . | " 80         | 12 "     | . | " 2 15       |
| 8 "     | . | " 1 10       | 15 "     | . | " 2 75       |

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**POCKET LEVELS.**



|                               |   |   |   |      |      |
|-------------------------------|---|---|---|------|------|
| Iron Pocket Levels, Japanned, | . | . | . | each | 15c. |
| " " Brass Top,                | . | . | . | "    | 20c. |



|  |   |       |    |
|--|---|-------|----|
| Improved Pattern Pocket Levels, Brass Top, | . | each, | 25 |
|--|---|-------|----|

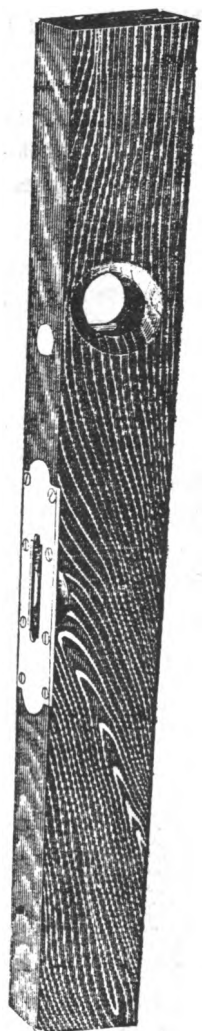
**PLUMBS AND LEVELS.**

|  |        |
|--|--------|
| Polished Level, two side views, 12 in. each,   | \$0 55 |
| Polished Level. two side views, as-<br>sorted, from 18 to 24 inch, each,   | 70     |
| Polished Plumb and Level, Arch Top<br>Plate, two side views, assorted,<br>from 26 to 30 inch, . . . each,  | 1 00   |
| Patent Adjustable, Polished Mahog-<br>any, Plumb and Level. Arch Top<br>Plate, two side views, assorted,<br>from 26 to 30 inches, . . . each,                  | 1 15   |
| Patent Adjustable, Polished and<br>Tipped, Plumb and Level, Arch<br>Top Plate, two side views, ass'td,<br>from 26 to 30 inches, . . . each,                    | 1 50   |
| Patent Adjustable, Polished Mahog-<br>any, Plumb and Level, Arch Top,<br>Plate, two brass lipped side views,<br>asst'd, from 26 to 30 inches, each,            | 1 70   |
| Patent Adjustable, Polished and Tip-<br>ped, Plumb and Level, Arch Top<br>Plate, two brass lipped side views,<br>asst'd, from 26 to 30 inches, each,           | 2 10   |
| Patent Adjustable, Polished and Tip-<br>ped, Plumb and Level, triple stock,<br>Arch Top Plate, two brass lipped<br>side views, asst'd, from 26 to 30 in. each, | 2 50   |
| Patent Adjustable, Polished and Tip-<br>ped, Mahogany Plumb and Level,<br>Arch Top Plate, two brass lipped<br>side views, asst'd, from 26 to 30 in. each,      | 2 50   |
| Patent Adjustable, Polished Mahog-<br>any, Tipped, Plumb and Level, Im-<br>proved Double Adjusting side<br>views, and Arch Top Plate, 30 in. each,             | 2 85   |
| Iron Plumb and Level, two side<br>views, Brass Top Plates, 9 inch, each,   | 1 10   |

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**LEVEL GLASSES.**

|  |            |
|--|------------|
| Level Glasses, 1 $\frac{1}{4}$ inch, . . . . . | each, 10c. |
| " 2 " . . . . .                                | " 10c.     |
| " 2 $\frac{1}{2}$ " . . . . .                  | " 10c.     |
| " 3 " . . . . .                                | " 10c.     |
| " 3 $\frac{1}{2}$ " . . . . .                  | " 10c.     |
| " 4 " . . . . .                                | " 15c.     |



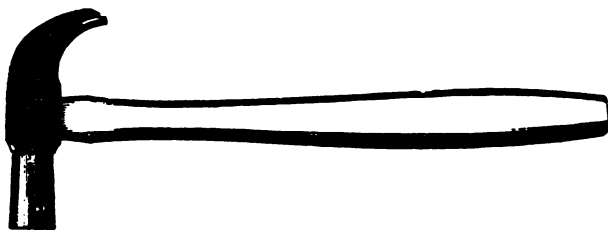
**PLUMBS AND LEVELS REPAIRED.**

New Glass and Putting in, . . . . each, 50

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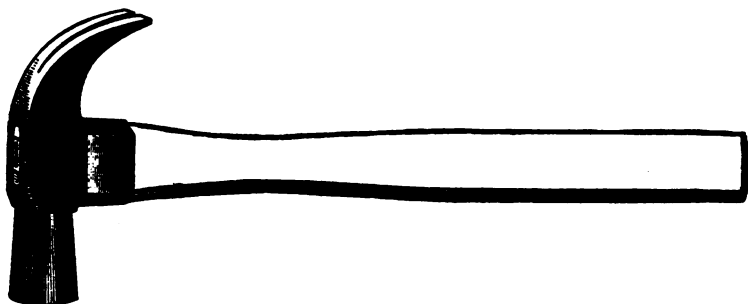
**SELSOR, COOK & CO.'S SOLID CAST STEEL HAMMERS.**

Polished Nail Hammers, Solid Cast Steel, Round Pole.



| WEIGHT PER SINGLE HAMMER,<br>INCLUDING HANDLE. |              | DIAMETER<br>OF FACE. |            |
|--|--------------|----------------------|------------|
| No. 0.   | 0 lb. 10 oz. | 3-4 inch.            | each, 45c. |
| No. 1.   | 1 lb. oz.    | 7-8 "                | " 50       |
| No. 2.   | 1 lb. 4 oz.  | 1 1-16 "             | " 65       |
| No. 3.   | 1 lb. 7 oz.  | 1 1-8 "              | " 70       |
| No. 4.   | 1 lb. 13 oz. | 1 3-16 "             | " 85       |

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**ADZE EYE HAMMERS, SOLID CAST STEEL, ROUND POLE.**

| WEIGHT PER SINGLE HAMMER,<br>INCLUDING HANDLE. |              | DIAMETER<br>OF FACE. |          |
|--|--------------|----------------------|----------|
| No. 3.   | 0 lb. 11 oz. | 3-4 inch.            | each, 65 |
| No. 2.   | 1 lb. oz.    | 1 "                  | " 75     |
| No. 1½.  | 1 lb. 8 oz.  | 1 1-8 "              | " 90     |
| No. 1.   | 1 lb. 12 oz. | 1 3-16 "             | " \$1 00 |

**SOLID CAST STEEL BRAD HAMMERS.**

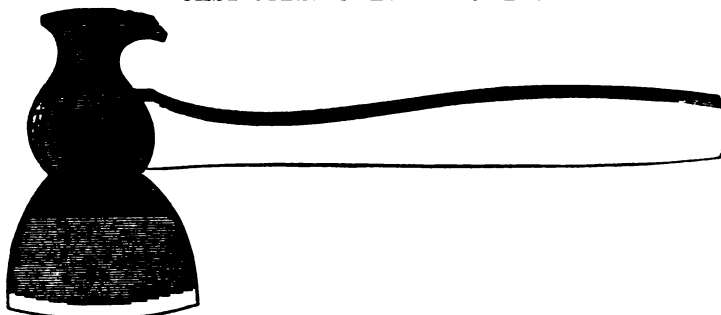
|  |   |   |            |
|--|---|---|------------|
| No. 30, Solid Cast Steel Brad Hammers, | . | . | each, 35c. |
| No. 40, " " " " "                      | . | . | " 40       |
| No. 50, " " " " "                      | . | . | " 45       |

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**RIVETING HAMMERS—SOLID CAST STEEL.**

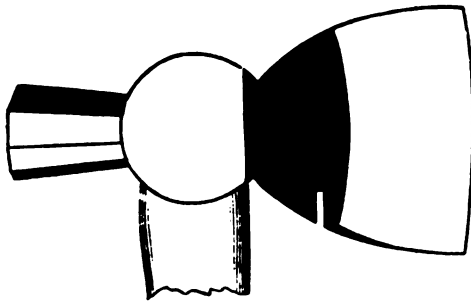
|        | WEIGHT PER SINGLE HAMMER<br>INCLUDING HANDLE. | DIAMETER<br>OF FACE. |           |
|--------|---|----------------------|-----------|
| No. 0. | 0 lb. 6½ oz.                                  | 5-8 inch,            | each, 30c |
| No. 1. | 0 lb. 9½ oz.                                  | 11-16 "              | " 35      |
| No. 2. | 0 lb. 12½ oz.                                 | 3-4 "                | " 40      |
| No. 3. | 1 lb. 1 oz.                                   | 7-8 "                | " 45      |
| No. 4. | 1 lb. 3½ oz.                                  | 15-16 "              | " 50      |
| No. 5. | 1 lb. 6 oz.                                   | 1 "                  | " 65      |
| No. 6. | 1 lb. 9 oz.                                   | 1 1-8 "              | " 75      |
| No. 7. | 2 lb. 0 oz.                                   | 1 18-16 "            | " 85      |

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**CAST STEEL CLAW HATCHETS.**

No. 2. Cast Steel Claw Hatchets, . . . each, 85c

**JOHN BEATTY & CO.'S CAST STEEL SHINGLING HATCHETS.**  
**WARRANTED.**



|   |       |      |
|---|-------|------|
| No. 1. John Beatty & Co.'s Cast Steel Shingling Hatchets, | each, | 70c. |
| No. 2. John Beatty & Co.'s Cast Steel Shingling Hatchets, | each, | 75   |
| No. 3. John Beatty & Co.'s Cast Steel Shingling Hatchets, | each, | 75   |
| No. 4. John Beatty & Co.'s Cast Steel Shingling Hatchets, | each, | 80   |



**JOHN BEATTY & CO.'S CAST STEEL HALF HATCHETS.**  
**WARRANTED.**



|  |       |      |
|--|-------|------|
| No. 1. John Beatty & Co.'s Cast Steel Half Hatchets, | each, | 70c. |
| No. 2. " " " "                                       | "     | 75   |
| No. 3. " " " "                                       | "     | 75   |
| No. 4. " " " "                                       | "     | 80   |

**VERREE'S SOLID STEEL HATCHETS.****No. 2. Verree's Solid Cast Steel Shingling and Half**

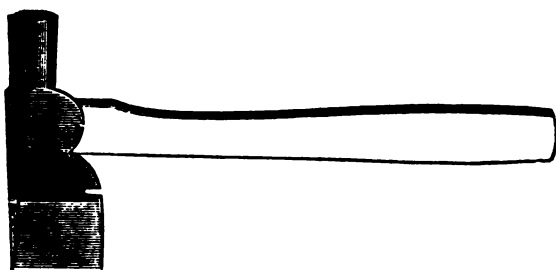
Hatchets, . . . . . each, \$1 00

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**CAST STEEL, IRON HANDLE, WAREHOUSE HATCHETS.**

Cast Steel Warehouse Hatchets, . . . . . each, 1 35

—:O:—

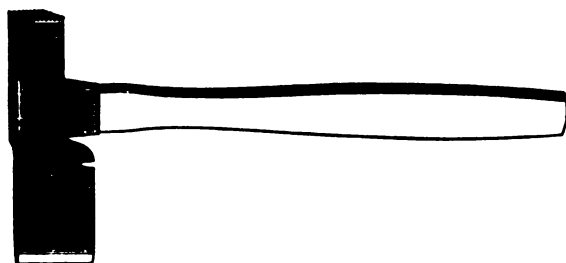
**JOHN BEATTY & CO.'S CAST STEEL LATHING HATCHETS.****WARRANTED.**

No. 1. John Beatty &amp; Co.'s Cast Steel Lathing Hatchets, each, 70c.

No. 2. " " " " " 75

No. 3. " " " " " 75

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**SOLID CAST STEEL LATHING HATCHETS.****FULL POLISH.**

No. 3. Solid Cast Steel Lathing Hatchets, . . . . . each, 1 00

No. 9. Adze Eye, Solid Cast Steel Lathing Hatchets, " 1 15

Beatty's, " " " " " 1 10

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**JOHN BEATTY & CO.'S CAST STEEL POST AXES.**

Cast Steel Post Axes, Steel Pole, . . . . . each, 1 50

**JOHN BEATTY & CO.'S BROAD AXES, YANKEE OR OHIO PATTERN.**  
 Single or Double Bevel, Steel Poles.

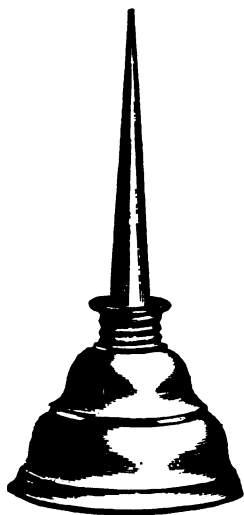
|                 |   |   |   |   |   |   |              |
|-----------------|---|---|---|---|---|---|--------------|
| No. 1.— 8 inch, | . | . | . | . | . | . | each, \$2 00 |
| No. 2.— 9 “     | . | . | . | . | . | . | “ 2 60       |
| No. 3.—10 “     | . | . | . | . | . | . | “ 2 75       |
| No. 4.—11 “     | . | . | . | . | . | . | “ 3 00       |

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**JOHN BEATTY & CO.'S CAST STEEL ADZES.**

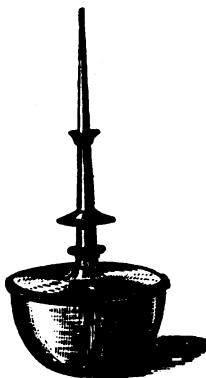
|   |   |   |   |   |   |        |
|---|---|---|---|---|---|--------|
| Cast Steel Carpenters Adzes, Steel Pole,                | . | . | . | . | . | “ 2 25 |
| Cast Steel Coopers' Adzes, Chequered Heads, Steel Pole, | . | . | . | . | . | “ 2 25 |

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|                     |   |   |   |   |            |
|---------------------|---|---|---|---|------------|
| No. 1. Copper,      | . | . | . | . | each, 22c. |
| No. 2. “            | . | . | . | . | “ 25       |
| No. 3. “            | . | . | . | . | “ 30       |
| No. 0. Zinc Oilers, | . | . | . | . | each, 12c  |
| No. 1. “ “          | . | . | . | . | “ 15       |
| No. 2. “ “          | . | . | . | . | “ 18       |
| No. 3. “ “          | . | . | . | . | “ 20       |
| No. 4. “ “          | . | . | . | . | “ 22       |
| No. 5. “ “          | . | . | . | . | “ 25       |

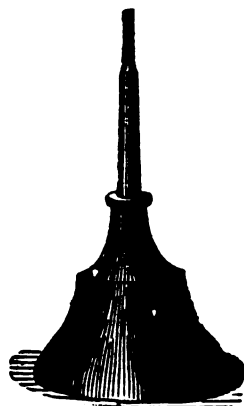
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**OLMSTEAD'S PATENT OILERS.**


|                             |   |   |   |   |            |
|-----------------------------|---|---|---|---|------------|
| No. 1. Tin, with Brass top, | . | . | . | . | each, 35c. |
| No. 2. “ “ “ “              | . | . | . | . | “ 30       |
| No. 3. “ “ “ “              | . | . | . | . | “ 25       |



**PATENT MALLEABLE IRON OILER,**  
With Patent Elliptic Steel Spring.



Each, . . . . . 50c.

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**OIL STONES AND SLIPS.**

|                                   |         |                 |        |
|-----------------------------------|---------|-----------------|--------|
| Washita Oil Stones, Best Quality, | . . .   | per lb.,        | \$0 40 |
| Novaculite “                      | “ . . . | “               | 40     |
| Hindoostan “                      | “ . . . | each,           | 25     |
| Arkansas “                        | “ . . . | per lb.,        | 2 00   |
| Washita Slips,                    | “ . .   | assorted sizes. |        |

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**BRANDING IRONS.**

Branding Irons for Marking Tools; will save their price in one year's use.

|   |           |      |
|---|-----------|------|
| $\frac{1}{8}$ to $\frac{3}{8}$ Inch, Six Letters, | . . . . . | 1 00 |
| Each additional Letter                            | . . . . . | 15   |
| $\frac{1}{2}$ inch, Each Letter,                  | . . . . . | 20   |
| $\frac{3}{4}$ “ “                                 | . . . . . | 30   |
| $\frac{7}{8}$ “ “                                 | . . . . . | 40   |
| 1 “ “   | . . . . . | 50   |

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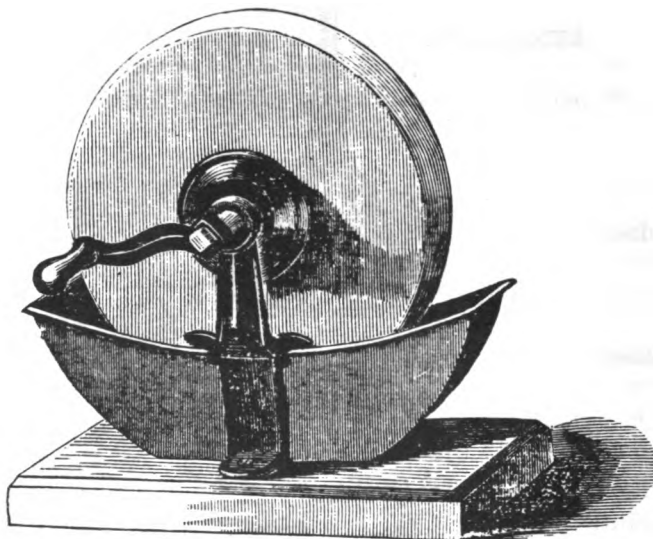
**STEEL LETTERS AND FIGURES.**

Steel Letters and Figures, all sizes from 1-16 to  $\frac{1}{2}$  in sets or singly.

**STEEL STAMPS.**

Steel Stamps for Marking on Steel, Iron or Brass, made to order.

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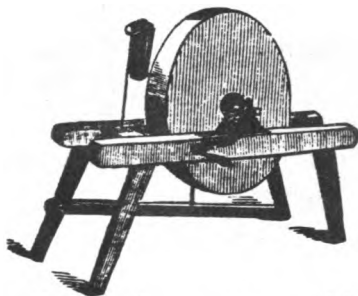
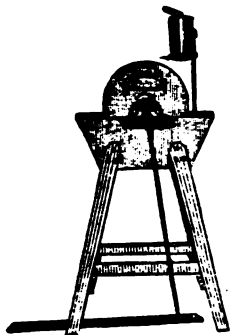
**GRINDSTONES.**

|         |   |              |          |   |              |
|---------|---|--------------|----------|---|--------------|
| 6 inch, | . | each, \$1 50 | 10 inch, | . | each, \$1 90 |
| 7 “     | . | “ 1 60       | 11 “     | . | “ 2 25       |
| 8 “     | . | “ 1 70       | 12 “     | . | “ 2 50       |
| 9 “     | . | “ 1 80       |          |   |              |

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|         |   |   |   |   |   |   |   |            |
|---------|---|---|---|---|---|---|---|------------|
| 8 inch, | . | . | . | . | . | . | . | each, 2 50 |
| 9 “     | . | . | . | . | . | . | . | “ 2 75     |
| 10 “    | . | . | . | . | . | . | . | “ 2 87     |
| 12 “    | . | . | . | . | . | . | . | “ 3 25     |

**HANDLE AND TREADLE GRINDSTONES.**

These are made of all sizes and grits, from twelve to thirty-six inches in diameter, and hung on strong wood frames, with self-adjusting cranks and running on friction rollers or sockets.

They are furnished with water-pot, handle or treadle, and are driven by hand or can be turned with the foot without assistance. They cost less than to buy the stone and fixtures separately.

**HINTS HOW TO USE A GRINDSTONE.**

1st. Don't waste the stone by running it in water, nor allow it to stand in water when not in use, as this will cause a soft place.

2d. Wet the stone by dropping water upon it from a pot suspended above the stone, and stop off the water when not in use.

3d. Don't allow the stone to get out of order, but keep it perfectly round by the use of a piece of gas pipe or a locker, or use a pair of the double-hung stones, which keep each other in order.

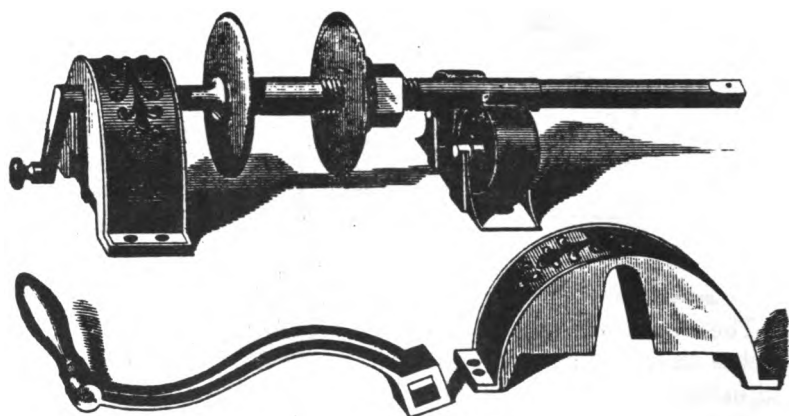
4th. Clear off all greasy tools before sharpening, as grease or oil destroys the grit.

5th. When you get a stone to suit your purpose, send a sample of the grit to select another by ; a half-ounce sample is enough.

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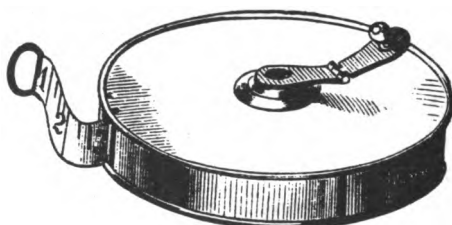
**PLUME BOBS.**

|                                |       |              |
|--------------------------------|-------|--------------|
| No. 1. Iron Japanned,          | . . . | each, \$0 15 |
| No. 2. " "                     | . . . | " 20         |
| No. 3. " "                     | . . . | " 30         |
| No. 4. Lead with Steel Point,  | . . . | " 40         |
| No. 5. Brass " "               | . . . | " 40         |
| No. 6. Iron " "                | . . . | " 75         |
| No. 7. Bronze " "              | . . . | " 2 00       |
| No. 8. " " Screw Cap and Steel |       |              |
| Point, . . . . .               |       | " 2 50       |

**SARGEANT'S PATENT GRINDSTONE FIXTURES.**

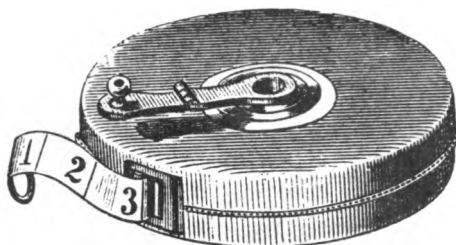
Japanned, Covered Bearings, Patent encased Rollers,  
 Shafts 24 inches long, . . . . . per set, \$1 60

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**TAPE MEASURES.**

Ass Skin, Brass Bound Case, Superior article.

|                                     |   |   |   |       |      |
|-------------------------------------|---|---|---|-------|------|
| Linen Tape Measures, 100 feet long, | . | . | . | each, | 2 25 |
| " 75                                | " | . | . | "     | 1 75 |
| " 66                                | " | . | . | "     | 1 50 |
| " 50                                | " | . | . | "     | 1 25 |
| " 33                                | " | . | . | "     | 85   |
| " 24                                | " | . | . | "     | 75   |
| " 24                                | " | . | . | "     | 45   |
| " 40                                | " | . | . | "     | 50   |
| " 50                                | " | . | . | "     | 60   |

**CHESTERMAN'S METALLIC TAPE MEASURES.**

In Leather cases, made of Linen Thread interwoven with fine Brass wire, not so liable to stretch as the usual Linen Tape, and are better calculated to withstand the effect of moisture. The best and finest article for general use.

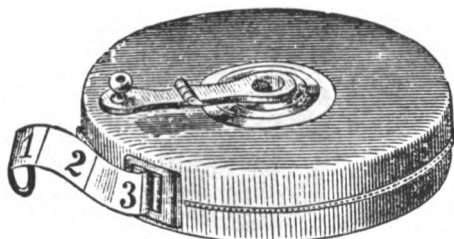
Metalic Tape Measures, 100 ft. long, in 10ths or 12ths, each, \$6 75

|   |    |   |   |   |      |
|---|----|---|---|---|------|
| " | 75 | " | " | " | 5 50 |
| " | 66 | " | " | " | 4 75 |
| " | 50 | " | " | " | 4 25 |
| " | 40 | " | " | " | 3 50 |
| " | 33 | " | " | " | 3 25 |
| " | 24 | " | " | " | 2 50 |

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**CHESTERMAN'S STEEL TAPE MEASURE.**

All Steel in Leather Cases.



Steel Tape Measures, 100 ft. long, in 10ths or 12ths, each, 20 00

|   |    |   |                          |   |       |
|---|----|---|--------------------------|---|-------|
| " | 66 | " | "                        | " | 14 75 |
| " | 50 | " | "                        | " | 11 25 |
| " | 40 | " | "                        | " | 9 50  |
| " | 33 | " | "                        | " | 8 25  |
| " | 10 | " | in German Silver case, " |   | 5 00  |

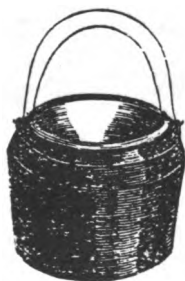
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**HOWE'S PATENT EUREKA FAMILY GLUE POT.**

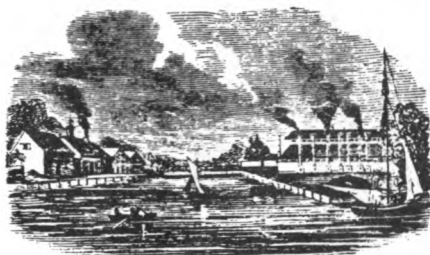

The glue is prepared in a manner to prevent all decay or mould.  
It is always ready for use and will save many dollars.

Each, . . . . . 50 cents.

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**GLUE POTS.**


|            |   |           |        |   |              |
|------------|---|-----------|--------|---|--------------|
| No. 00000, | . | each, 50c | No. 2, | . | each, \$0 80 |
| No. 000,   | . | " 50      | No. 3, | . | " 1 00       |
| No. 00,    | . | " 55      | No. 4, | . | " 1 20       |
| No. 0,     | . | " 60      | No. 5, | . | " 1 40       |
| No. 1,     | . | " 65      | No. 6, | . | " 1 60       |

**CUMBERLAND NAILS.**

These Nails are known to be the best in the market. All nail and no waste, and cost no more than other brands. Each keg warranted to contain 100 lbs. of Nails.

A full stock of the above celebrated brand always on hand.

*Number of Cumberland Nails to a Pound.*

|                 |     |                  |    |
|-----------------|-----|------------------|----|
| 3d, Fine, . . . | 682 | 12d, Cut, . . .  | 51 |
| 3d, Cut, . . .  | 496 | 20d, . . .       | 32 |
| 4d, . . .       | 283 | 30d, . . .       | 20 |
| 5d, . . .       | 211 | 40d, . . .       | 15 |
| 6d, . . .       | 153 | 4 inch Spikes, . | 14 |
| 7d, . . .       | 135 | 5 " " .          | 10 |
| 8d, . . .       | 99  | 6 " " .          | 7  |
| 10d, . . .      | 71  | 7 " " .          | 5  |

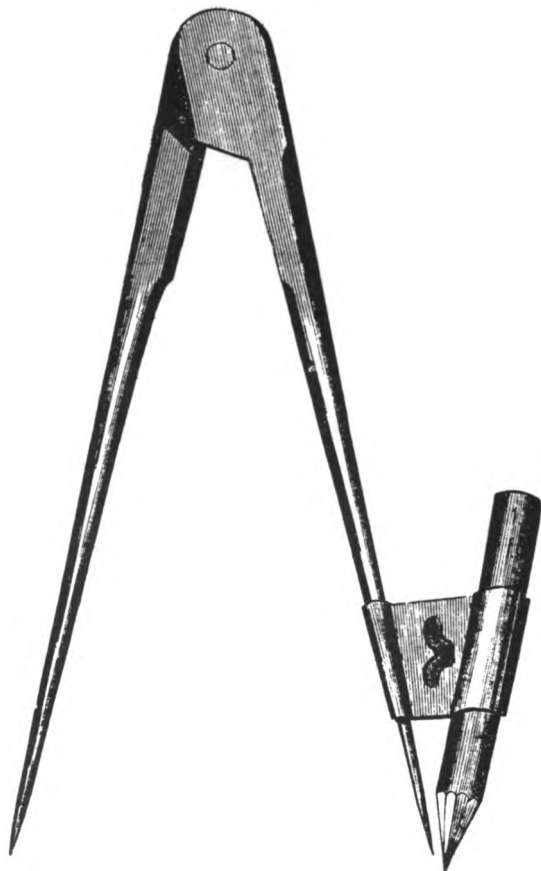
**FINISHING NAILS.**

A superior quality of finishing nails, by the keg or lb.; all sizes from 1 to 3 inches.

Parties buying these Finishing Nails obtain a pound of nails exclusive of wrapping.

|                    |         |
|--------------------|---------|
| Per keg, . . . . . | \$10 00 |
| " lb., . . . . .   | 12      |

Watermen's Superior Quality of Finishing Nails in lb.  
packages, from  $\frac{1}{2}$  to 2 inches, . . . . .

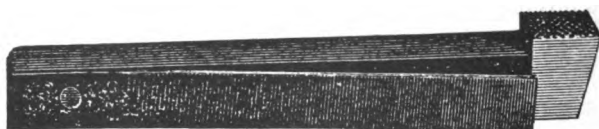
**HILLEGRASS' PATENT PENCIL-HOLDING ATTACHMENT.**

By this device, Pencils of different sizes can be readily attached to the ordinary Carpenters' Compasses, Dividers, &c.

It is light and simple in construction, and is not liable to get out of order.

Price, . . . . . each, 15c.

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**CABINET MAKERS' BENCH DOGS.**

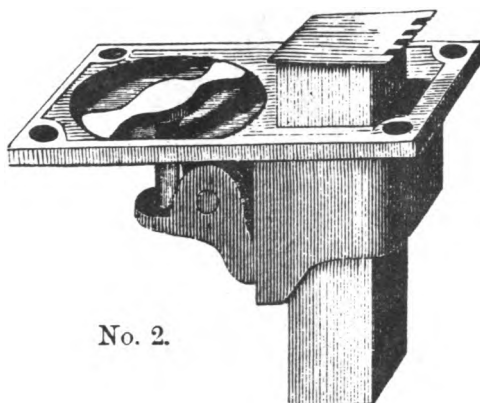
No. 365.

No. 365, Superior all Steel, Cabinet Makers' Bench Dogs,  
Each, . . . . . \$1 25



**SCREW ADJUSTING BENCH HOOKS.**

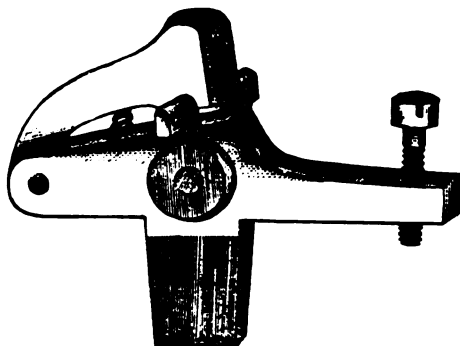
Designed for Carpenters and Cabinet-Makers.



No. 2.

|                     |   |   |   |   |   |   |            |
|---------------------|---|---|---|---|---|---|------------|
| No. 1. Bench Hooks, | . | . | . | . | . | . | each, 60c. |
| 2. " "              | . | . | . | . | . | . | " 90       |

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**HAMMER SAW SETS, AIKINS' PATTERN.**

The top or hammer of these Saw Sets is made of the best Cast Steel; also, a piece of Cast Steel is inserted under the hammer, where the tooth of the saw is placed while setting it.

|                                  |   |   |   |   |   |   |        |
|----------------------------------|---|---|---|---|---|---|--------|
| Each,                            | . | . | . | . | . | . | 75c.   |
| Aiken's Genuine Hammer Saw Sets, | . | . | . | . | . | . | \$1 25 |

## FOSTER'S PATENT SAW SET.



Full Size of No. 4.

|   |   |   |   |              |
|---|---|---|---|--------------|
| No. 1. For Mill and Drag Saws,              | . | . | . | each, \$1 75 |
| No. 2. For Cross-Cut and Circular Saws,     | . | . | . | " 1 25       |
| No. 4. For Wood, Hand, Panel and Back Saws, | . | . | . | " 75         |
| Every Set is warranted.                     |   |   |   |              |

**STILLMAN'S PATENT LEVER SAW SETS.**

Directions for using.

In setting saws of uneven thickness, the following suggestions may be observed with advantage: If the saw to be set is thicker at one end than the other, begin at the thickest end, and set both sides one-quarter or one-third the length of the saw; then turn the gauge-screw in the end of the angle bar a little backward, and set another portion; repeating the operation till finished. If the saw is hard and brittle, select such a point as will permit the tooth to bend in the whole of its length; then, by the adjusting (small) screw, raise the point so as not to confine the tooth closely. If the tooth is short and thick, use such a point as will let the corner of the angle bar bear on the *blade* of the saw, near the bottom of the tooth.

Each, 60 cents.

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**FENNER'S SELF-ADJUSTING SAW SETS.**

This Saw Set adapts itself to all the variations in the thickness of any Saw plate, and gives the most uneven Saw an even set throughout. The jaws are all of the best quality of Cast Steel.

No. 1, for Wood, Hand, Panel and Back Saws, each, \$ 75

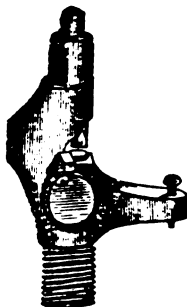
No. 2, for Cross-cut and Circular Saws, . . . " 1 25

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**PLATE SAW SETS.**

Plate Saw Sets, . . . . . each, 50c.

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**HAMMER SAW SETS.**

Chase's Pattern, Hammer Saw Set, made to screw on  
bench, with rest, . . . . . each, 1 00

## SPOKE SHAVES WITH CAST STEEL IRONS.



|  | PLAIN. | PLATED. |
|--|--------|---------|
| 2 inch Spoke Shaves, . . . .                     | 40c.   | 50c.    |
| 3 " " " . . . .                                  | 45     | 60      |
| 3½ " " " . . . .                                 | 55     | 70      |
| 4 " " " . . . .                                  | 60     | 75      |
| Spoke Shave Irons, assorted sizes, each, . . . . |        | 20      |

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## IRON SPOKE SHAVES.



|  |            |
|--|------------|
| Patent Double Iron, Raised Handle, 10 inch, 2½ inch<br>cutter, . . . . . | each, 40c. |
| Patent Adjustable, Raised Handle, 10 inch, 2½ inch<br>cutter, . . . . .  | each, 50c. |



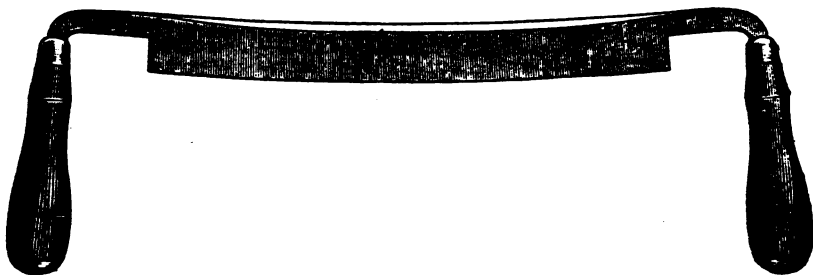
|  |            |
|--|------------|
| Double Cutter, Hollow and Straight, 10 inch, 1½ inch<br>each cutter, . . . . . | each, 50c. |
|--|------------|

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## DRAWING KNIVES.

D. R. BARTON & CO.'S CELEBRATED CAST STEEL DRAWING  
KNIVES—WARRANTED.

|                        |      |                        |      |
|------------------------|------|------------------------|------|
| 6 inch, . . . each, \$ | 85   | 9 inch, . . . each, \$ | 1 20 |
| 7 " . . . " .          | 1 00 | 10 " . . . " .         | 1 30 |
| 8 " . . . " .          | 1 10 |                        |      |

**CROSSMAN'S CAST STEEL DRAWING KNIVES—WARRANTED.**

|         |     |          |    |         |     |          |      |
|---------|-----|----------|----|---------|-----|----------|------|
| 6 inch, | . . | each, \$ | 75 | 9 inch, | . . | each, \$ | 90   |
| 7 "     | . . | "        | 80 | 10 "    | . . | "        | 1 00 |
| 8 "     | . . | "        | 85 |         |     |          |      |

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**NOBLE'S PATENT ADJUSTABLE HANDLE DRAWING KNIVES.**

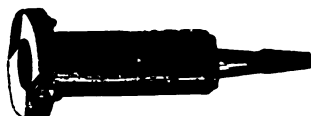
|         |     |          |      |         |     |          |      |
|---------|-----|----------|------|---------|-----|----------|------|
| 6 inch, | . . | each, \$ | 1 00 | 7 inch, | . . | each, \$ | 1 25 |
|---------|-----|----------|------|---------|-----|----------|------|

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**DOUGLASS' NEW PATTERN OR SCREW CAP HOLLOW AUGERS, WITH COOK'S PATENT BITS.**

|      |                |       |        |       |                |       |        |
|------|----------------|-------|--------|-------|----------------|-------|--------|
| 3-8  | inch with Bit, | each, | \$1 00 | 7-8   | inch with Bit, | each, | \$1 40 |
| 7-16 | "              | "     | 1 00   | 1     | "              | "     | 1 40   |
| 1-2  | "              | "     | 1 00   | 1 1-8 | "              | "     | 1 75   |
| 9-16 | "              | "     | 1 20   | 1 1-4 | "              | "     | 1 75   |
| 5-8  | "              | "     | 1 20   | 1 3-8 | "              | "     | 2 00   |
| 3-4  | "              | "     | 1 20   | 1 1-2 | "              | "     | 2 00   |

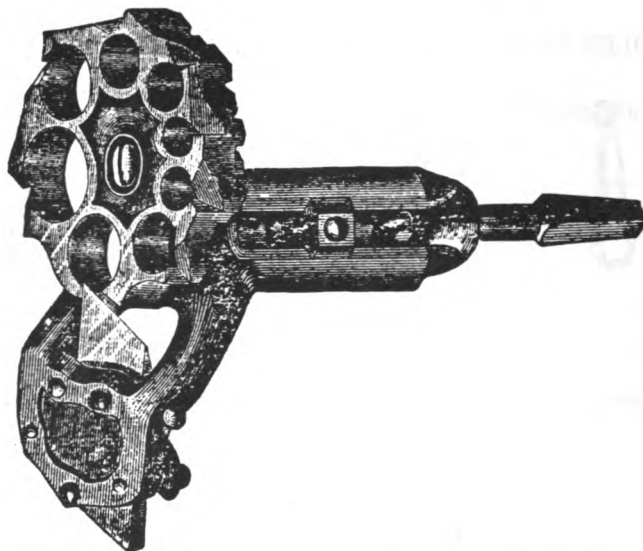
**DOUGLASS' OLD PATTERN OR SLIDE OUT HOLLOW AUGERS,  
WITH COOK'S PATENT BIT.**



|      |      |      |      |       |        |       |      |      |      |       |        |
|------|------|------|------|-------|--------|-------|------|------|------|-------|--------|
| 3-8  | inch | with | Bit, | each, | \$1 00 | 7-8   | inch | with | Bit, | each, | \$1 40 |
| 7-16 | "    | "    | "    | "     | 1 00   | 1     | "    | "    | "    | "     | 1 40   |
| 1-2  | "    | "    | "    | "     | 1 00   | 1 1-8 | "    | "    | "    | "     | 1 75   |
| 9-16 | "    | "    | "    | "     | 1 20   | 1 1-4 | "    | "    | "    | "     | 1 75   |
| 5-8  | "    | "    | "    | "     | 1 20   | 1 3-8 | "    | "    | "    | "     | 2 00   |
| 3-4  | "    | "    | "    | "     | 1 20   | 1 1-2 | "    | "    | "    | "     | 2 00   |

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**BONNEY'S PATENT HOLLOW AUGERS.**

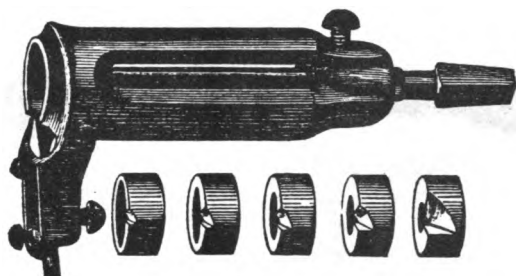


Bonney's Patent Hollow Auger, cutting from  $\frac{3}{8}$  to 1 inch,  
8 sizes, . . . . . each, 4 00

—:0:—

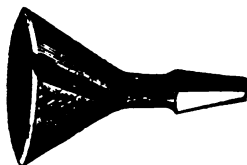
**BEAL & SMITH'S PATENT ADJUSTABLE HOLLOW AUGER.**

With Two Cutters, one cutting from  $\frac{3}{8}$  to  $\frac{1}{2}$ , and one from  
 $\frac{1}{2}$  inch to 1 inch, . . . . . each, 3 50

**STEARN'S PATENT ADJUSTABLE HOLLOW AUGER.**

With 5 Cutters, cutting from  $\frac{1}{2}$  to 1 inch, . . . each, \$3 00

—:0:—

**SPOKE TRIMMERS.**

Cast Steel Spoke Trimmers, . . . . . each, 85  
 Improved Pattern, . . . . . " 1 25

—:0:—

**CABINET SCRAPERS.**

Superior Quality Cast Steel Cabinet Scrapers, Assorted  
 Sizes, . . . . . each, 15c.

—:0:—

**WALL SCRAPERS.**

Superior Quality Cast Steel Wall Scrapers, for scraping paper  
 off the Walls, . . . . . each, 25c.

—:0:—

**BENCH SCREWS.**

Hickory Bench Screws, with short block, . . . each, 50  
 " " " long " . . . " 1 00



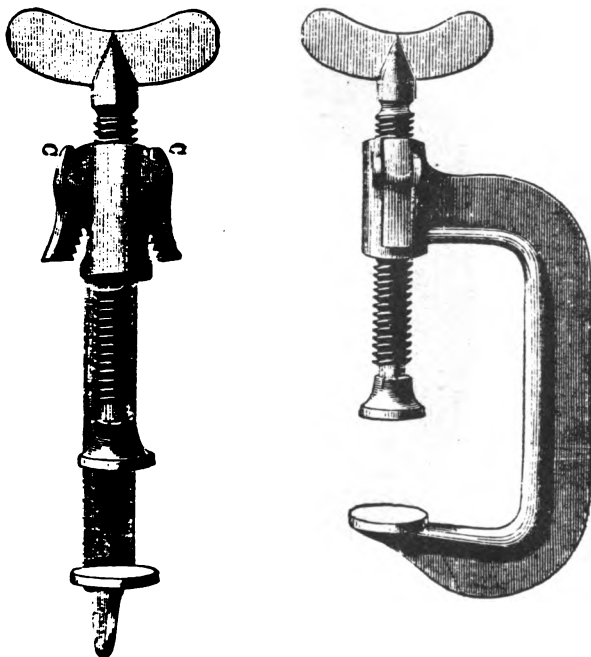


**WROUGHT IRON DOOR CLAMPS.**

Made heavy and strong, 6 feet long,

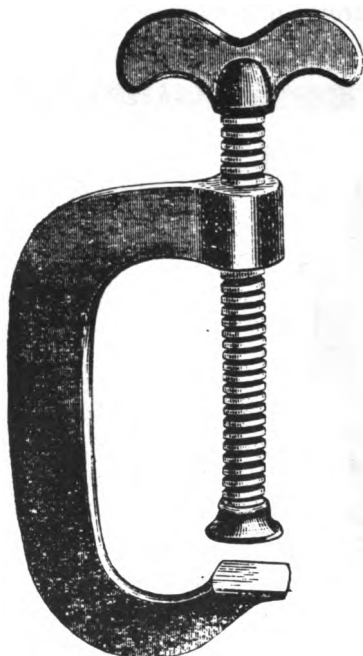
each, \$7 00

—:O:—

**PATENT ADJUSTABLE CLAMPS.**

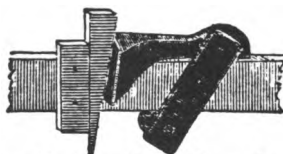
The advantages derived from the use of these Clamps will be obvious to all mechanics and others using them. By placing the thumb and forefinger on the lever C, the jaws are opened, allowing the screw to move back to any required position without turning; and in the same manner, without the use of the thumb and forefinger, the screw being cut with the ratchet thread, may be moved forward to any given point. The pin which holds the jaws in place is subject to no strain, the pressure of the screw being received on the square and solid shoulder of the jaws.

|             |   |   |   |   |   |   |   |              |
|-------------|---|---|---|---|---|---|---|--------------|
| 2 inch jaw, | . | . | . | . | . | . | . | each, \$0 55 |
| 3 "         | . | . | . | . | . | . | . | " 60         |
| 4 "         | . | . | . | . | . | . | . | " 70         |
| 5 "         | . | . | . | . | . | . | . | " 85         |
| 6 "         | . | . | . | . | . | . | . | " 1 00       |
| 7 "         | . | . | . | . | . | . | . | " 1 20       |
| 8 "         | . | . | . | . | . | . | . | " 1 40       |

**SCREW CLAMPS.**

|   |   |   |            |
|---|---|---|------------|
| No. 00, Screw Clamps for quilting frames, | . | . | each, 15c. |
| 1, " opens, 2 $\frac{1}{2}$ inches,       | . | . | " 35       |
| 2, " " 3 $\frac{1}{2}$ "                  | . | . | " 50       |
| 2 $\frac{1}{2}$ , " " 4 $\frac{1}{2}$ "   | . | . | " 55       |
| 3, " " 4 $\frac{3}{4}$ "                  | . | . | " 60       |
| 3 $\frac{1}{2}$ , " " 5 "                 | . | . | " 70       |
| 4, " " 6 $\frac{1}{2}$ "                  | . | . | " 80       |

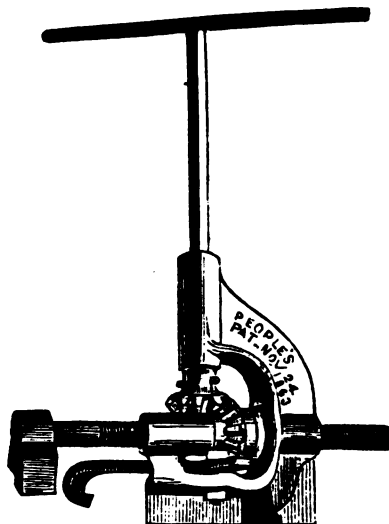
—:O:—

**SAILER'S IMPROVED PATENT FLOOR CLAMPS.**

For laying floors, and all other clamping purposes it has no equal. Price, only Two Dollars.

I have a few of the above Floor Clamps of the original pattern for \$1.00.

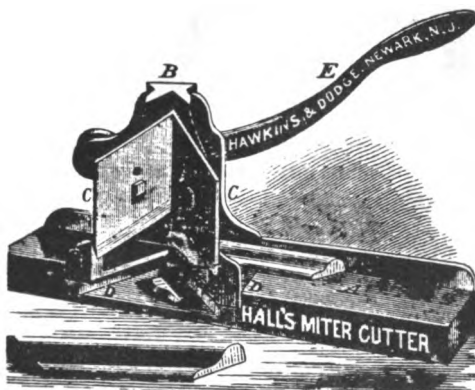
## PEOPLES' PATENT FLOOR CLAMPS.



It can be used for all clamping purposes where clamps are used.  
 It is very simple in its construction and not liable to get out of  
 order. Price, . . . . . each, \$5 00

—:O:—

## HALL'S MITER CUTTER.



This tool will cut out a right-angled piece from a strip of moulding, leaving the two ends smooth and true, and ready to be glued together; or it will finish the ends of square pieces that have been sawed. The work is done rapidly—a single cut doing what was formerly done by two cuts of the saw, which afterwards required smoothing before glue would adhere well. It *always* cuts a true, square miter, doing away entirely with the trouble and expense

of constantly making miter-boxes. It will cut enameled or gilt mouldings so smoothly that the gilding is not in the least fractured, and for door mouldings it is invaluable; a small boy can use it with great rapidity, and do more work than four men with saw and box.

Price, for foot-power, \$25; for hand-power, \$15. Cuts moulding  $2\frac{1}{4}$  inches wide.

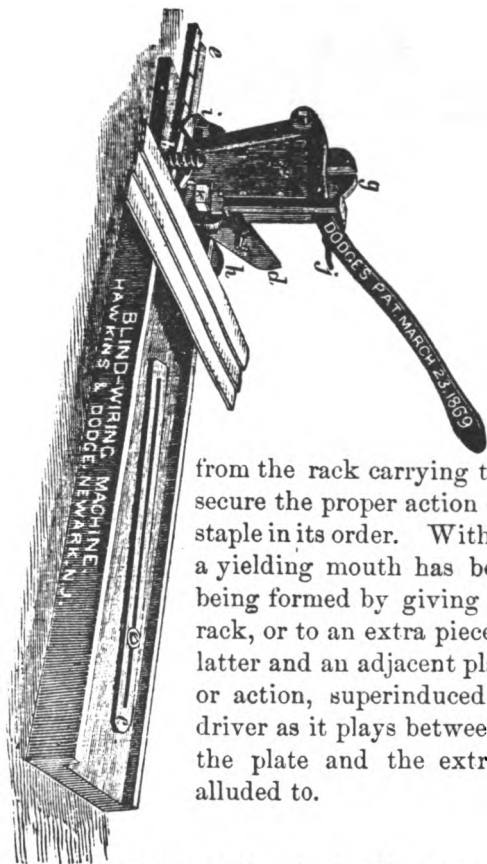
### DODGE'S PATENT BLIND-WIRING MACHINE.

For Wiring either or both Slats or Rods as may be desired.

The apparatus represented in the accompanying engraving is designed for driving staples into blind-slats and rods, and for other similar work. In this class of mechanism the operation of delivering

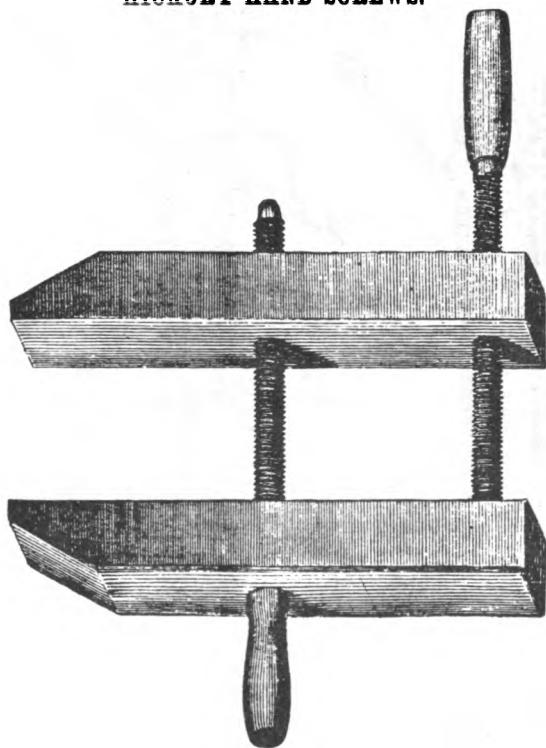
the staples, one by one to the parts by which they are driven home into the wood, although apparently a simple one, is subject to certain practical difficulties which inventors have sought to remove by numerous mechanical devices. For example, springs or elastic fingers have been used to hold each staple in succession as it is fed

from the rack carrying the supply of staples, to secure the proper action of the driver upon each staple in its order. With the same object in view, a yielding mouth has been employed, the same being formed by giving to the afore-mentioned rack, or to an extra piece provided between the latter and an adjacent plate, an elastic character or action, superinduced by the motion of the driver as it plays between the plate and rack or the plate and the extra piece just previously alluded to.



Price, \$20.00. Full printed directions for operating are sent with each machine.

## HICKORY HAND SCREWS.



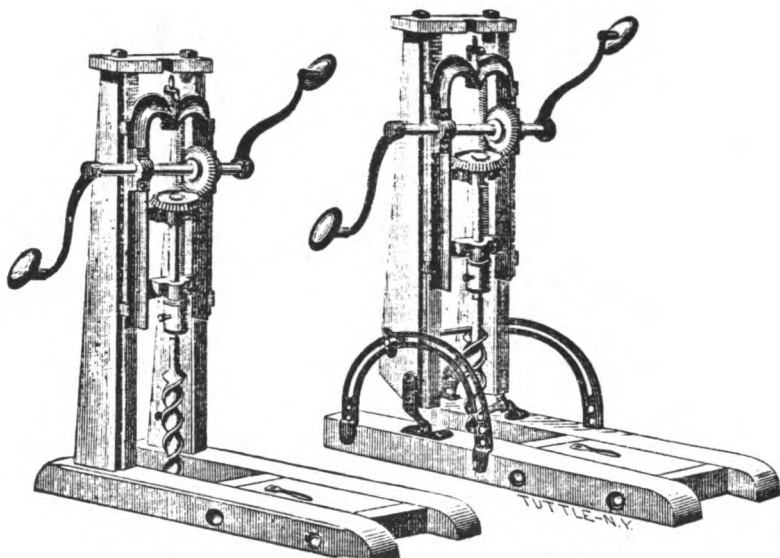
| DIAMETER<br>OF SCREW. | LENGTH<br>OF SCREW. | LENGTH<br>OF JAW. | SIZE OF<br>JAW.                    | DOZ.   | EACH. |
|-----------------------|---------------------|-------------------|------------------------------------|--------|-------|
| $\frac{3}{8}$         | $4\frac{1}{2}$      | 4                 | $\frac{3}{4} \times 1$             | \$2 00 | 22c.  |
| $\frac{1}{2}$         | 10                  | 6                 | $1 \times 1\frac{1}{2}$            | 2 50   | 25    |
| $\frac{5}{8}$         | 12                  | 8                 | $1\frac{1}{8} \times 1\frac{3}{8}$ | 3 00   | 30    |
| $\frac{3}{4}$         | 16                  | 10                | $1\frac{3}{8} \times 1\frac{5}{8}$ | 4 00   | 40    |
| $\frac{7}{8}$         | 18                  | 13                | $1\frac{5}{8} \times 1\frac{7}{8}$ | 4 50   | 45    |
| 1.                    | 20                  | 14                | $2\frac{1}{8} \times 2\frac{1}{8}$ | 5 50   | 55    |
| $1\frac{1}{4}$        | 24                  | 18                | $2\frac{3}{8} \times 2\frac{3}{8}$ | 7 50   | 70    |

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## LUFKIN'S STEEL SOCKET HEAD, BOARD AND LOG RULE.

|   |              |
|---|--------------|
| No. 1, Extra Heavy,                         | each, \$2 75 |
| No. 2, 3 Tier Board Rules, 2 inch Head,     | " 2 40       |
| No. 3, 3 Tier Board Rules, com. Steel Head, | " 2 00       |
| No. 4, 4 Tier Board Rules, com. Steel Head, | " 2 15       |
| No. 5, 4 Tier Board Rules, G. Silver Plate, | " 2 50       |
| No. 7, 3 Tier Board Rules, G. Silver Plate, | " 2 25       |

## BORING MACHINES.



No. 1.

No. 2.

No. 1. Improved Boring Machines, Polished Gear,  
Graduated Ways, with 1, 1½ and 2 inch Polished  
Augers, . . . . .

each, \$8 00

No. 2. Improved Angular Boring Machines, Polished  
Gear, Graduated Ways, with 1, 1½ and 2 inch Pol-  
ished Augers, . . . . .

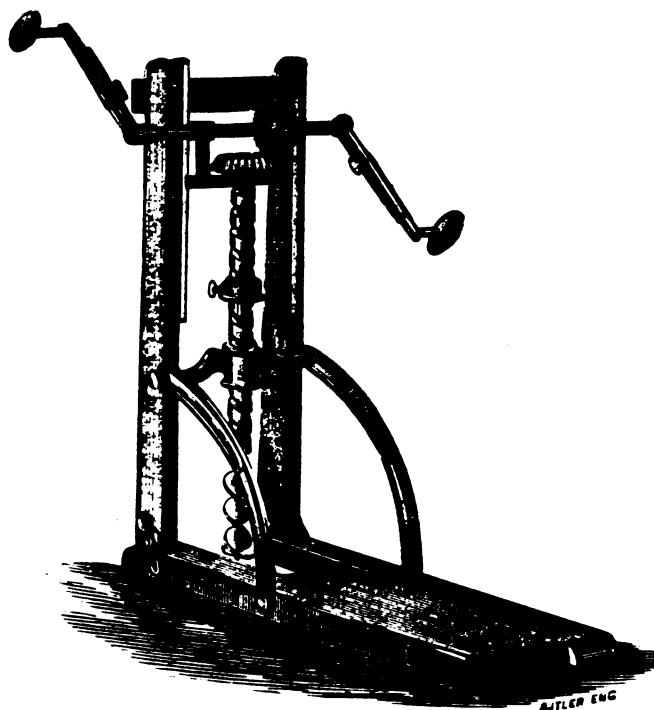
each, 10 50

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## BORING MACHINE AUGERS.



|       |                             |   |   |   |       |      |
|-------|-----------------------------|---|---|---|-------|------|
| ½     | inch Boring Machine Augers, | . | . | . | each, | 40   |
| ¾     | “ “ “ “                     | . | . | . | “     | 50   |
| 1     | “ “ “ “                     | . | . | . | “     | 55   |
| 1 1/8 | “ “ “ “                     | . | . | . | “     | 65   |
| 1 1/4 | “ “ “ “                     | . | . | . | “     | 70   |
| 1 1/2 | “ “ “ “                     | . | . | . | “     | 75   |
| 1 3/4 | “ “ “ “                     | . | . | . | “     | 80   |
| 1 7/8 | “ “ “ “                     | . | . | . | “     | 90   |
| 2     | “ “ “ “                     | . | . | . | “     | 1 15 |
|       |                             |   |   |   | “     | 1 25 |

**PHILLIP'S SELF-WITHDRAWING BORING MACHINE.**

Phillip's Self-withdrawing Boring Machines, Polished  
 Gear, Graduated Ways, with 1, 1½ and 2 inch Pol-  
 ished Augers. . . . . each, \$10 00

—:O:—

**MORTAR AND BRICK HODS.**

|              |           |       |      |
|--------------|-----------|-------|------|
| Mortar Hods, | . . . . . | each, | 1 75 |
| Brick “      | . . . . . | “     | 1 75 |

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**HANDLED MORTAR HOES.**

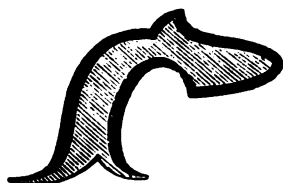
Handled Mortar Hoes, of good quality and very strong, each, 1 50

## HAND SAW HANDLES.



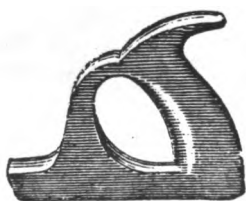
|                   |   |   |   |   |   |            |
|-------------------|---|---|---|---|---|------------|
| Hand Saw Handles, | . | . | . | . | . | each, 30c. |
| Rip       “       | . | . | . | . | . | “ 35c.     |

## COMPASS SAW HANDLES.



|                                      |   |   |   |            |
|--------------------------------------|---|---|---|------------|
| Compass Saw Handles, Polished Edges, | . | . | . | each, 15c. |
|--------------------------------------|---|---|---|------------|

## PLANE HANDLES.



FORE OR JOINTER HANDLE.



JACK PLANE HANDLE.

|                         |   |   |   |   |           |
|-------------------------|---|---|---|---|-----------|
| Jack Plane Handle,      | . | . | . | . | each, 8c. |
| Fore or Jointer Handle, | . | . | . | . | “ 12      |

## PATENT AUGER HANDLES.



Patent Auger Handles, in sets of two, one large and one small, and fitting any size Auger from  $\frac{3}{4}$  to 4 inches, is a complete affair, and is the only Auger Handle which can be used without the Augers being fitted.

|            |   |   |   |   |   |                  |
|------------|---|---|---|---|---|------------------|
| Appletree, | . | . | . | . | . | per pair, \$1 50 |
|------------|---|---|---|---|---|------------------|



**HATCHET HANDLES.**

Hatchet Handles, . . . . . each, 7c.

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**AUGER HANDLES.**

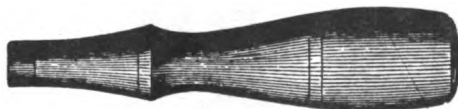
Polished Auger Handles, . . . . . each, 10c.

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**SREW DRIVER HANDLES.**

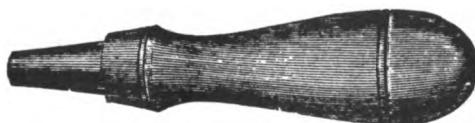
Screw Driver Handles, with Heavy Brass Ferrules,  
Assorted Sizes, . . . . . from 10 to 25c.

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**FIRMER CHISEL HANDLES.**

With Wrought Seamless Brass Ferrules.  
Polished, Hickory, Firmer Chisel Handles, . . . . . each, 6c

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**SOCKET FIRMER CHISEL HANDLES.**

Polished Socket Firmer Chisel Handles, . . . . . each, 6c.

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**SOCKET FRAMING CHISEL HANDLES.**

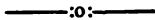
Malleable Iron Rings on every Handle.  
Polished Hickory Socket Framing Chisels, . . . . . each, 8c.

**FILE HANDLES.**

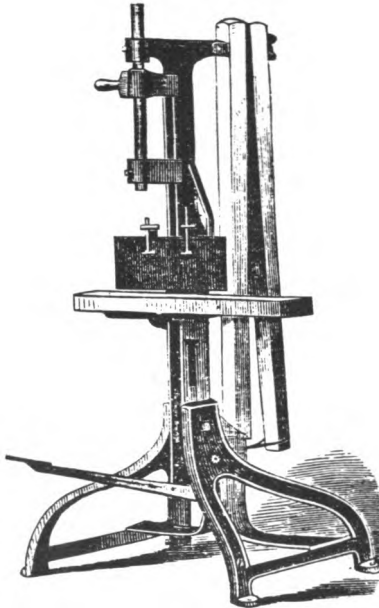


With Wrought Seamless Brass Ferrules.

Extra Polish File Handles, . . . . . each, 5c.

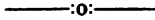


**MORTISING MACHINE.**



Each Machine is furnished with three Chisels, one each  $\frac{3}{8}$ ,  $\frac{1}{2}$  inch.

No. 1 Machine, . . . . . each, \$25 00  
No. 2 " . . . . . " 18 00



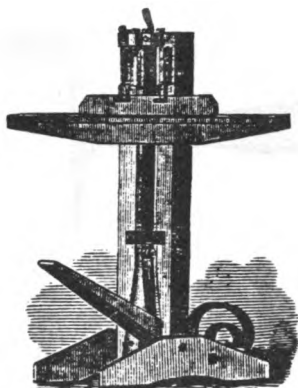
**MORTISING MACHINE CHISELS.**



Mortising Machine Chisels,  $\frac{1}{2}$  inch to 9-16, . . . each, \$1 25  
" " " 10-16 to 16-16 . . . " 1 65

**IMPROVED MORTISING MACHINE.**

For Carpenters, Sash Makers, and Wood Workers in General.



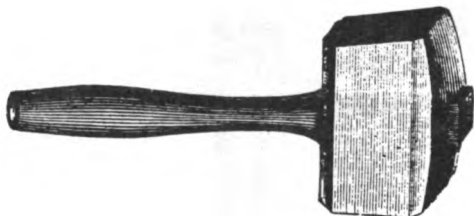
Each Machine is furnished with Four Chisels, viz.:  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{3}{8}$ , 5-16 of an inch, with or without Core Drivers, and warranted to be of the Best Cast Steel.

|   |               |
|---|---------------|
| With Core Drivers, . . . . .                      | each, \$33 00 |
| Without Core Drivers, . . . . .                   | " 28 00       |
| Extra Chisels, . . . . .                          | " 1 90        |
| " Core Drivers, . . . . .                         | " 1 35        |
| Full Set, 4 Chisels and 4 Core Drivers, . . . . . | 8 00          |

—:—  
**MALLETS.**



|          |               |   |            |
|----------|---------------|---|------------|
| No. 1.   | Round Hickory | Mallets, Polished, 5 by 3 inches,   | each, 20c. |
| No. 2.   | "             | " " 5½ by 3½ "  | " 25c.     |
| No. 3.   | "             | " " 6 by 4 "  | " 30c.     |
| No. 31.  | "             | " " For Turners,  | " 15c.     |
| No. 22.  | Rosewood      | " " "   | " 14c.     |
| No. 5.   | Lignum Vitæ   | " " 3 by 3 inches,  | " 30c.     |
| No. 6.   | "             | " " 5½ by 3½ "  | " 40c.     |
| No. 7.   | "             | " " 6 by 4 "  | " 50c.     |
| No. 14.  | "             | Hickory Mallets, Polished, heavy, with an Iron ring on each end, 6 by 4 inches,   | each, 60c. |
| No. 14½. | "             | Hickory Mallets, Polished, light, with an Iron ring on each end, 5½ by 3½ inches, | each, 40c. |
| No. 4.   | "             | Solid Iron Socket Mallets, Hickory ends, 2½ inches in Diameter,                   | each, 40c. |

**SQUARE HICKORY MALLET.**

- No. 8. Square Hickory Mallet, Mortised, 6 inches long,  
 $2\frac{1}{2}$  by  $3\frac{1}{2}$ , . . . . . each, 25c.
- No. 9. Square Hickory Mallet, Mortised,  $6\frac{1}{2}$  inches long,  
 $2\frac{1}{2}$  by  $3\frac{1}{2}$ , . . . . . each, 30c.
- No. 10. Square Hickory Mallet, Mortised, 7 inches long,  
 3 by 4, . . . . . each, 35c.
- No. 11. Square Lignum Vitæ Mallet, Mortised, 6 inches long,  
 $2\frac{1}{2}$  by  $3\frac{1}{2}$ , . . . . . each, 40c.
- No. 12. Square Lignum Vitæ Mallet, Mortised,  $6\frac{1}{2}$  inches long,  
 $2\frac{1}{2}$  by  $3\frac{1}{2}$ , . . . . . each, 45c.
- No. 13. Square Lignum Vitæ Mallet, Mortised, 7 inches long,  
 3 by 4, . . . . . each, 55c.
- No. 25. Stone Cutters' Mallets, assorted, from  $2\frac{1}{2}$  to 7  
 lbs., . . . . . each, \$2 00

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**A. KRUMBHAAR'S SUPERIOR QUALITY OF SAW FILES.**

I can recommend these saw files to my customers feeling sure they will give universal satisfaction.

|                  | DOZ.   | EACH. |           | DOZ.   | EACH. |
|------------------|--------|-------|-----------|--------|-------|
| 3 inches,        | \$1 50 | 10c.  | 6 inches, | \$2 80 | 20c.  |
| $3\frac{1}{2}$ " | 1 50   | 10    | 7 "       | 3 60   | 32    |
| 4 "              | 1 68   | 11    | 8 "       | 4 50   | 42    |
| $4\frac{1}{2}$ " | 1 88   | 12    | 9 "       | 5 85   | 55    |
| 5 "              | 2 10   | 15    | 10 "      | 7 35   | 70    |
| $5\frac{1}{2}$ " | 2 45   | 16    |           |        |       |

## PETER STUBS' SUPERIOR QUALITY OF SAW FILES.

|           | DOZ. | EACH. |           | DOZ. | EACH. |
|-----------|------|-------|-----------|------|-------|
| 3 inches. | 1 55 | 16c.  | 5 inches, | 2 60 | 25c.  |
| 3½ "      | 1 70 | 17    | 5½ "      | 3 25 | 30    |
| 4 "       | 1 95 | 20    | 6 "       | 3 65 | 33    |
| 4½ "      | 2 20 | 22    |           |      |       |

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## SUPERIOR QUALITY OF MILL SAW BASTARD FILES.

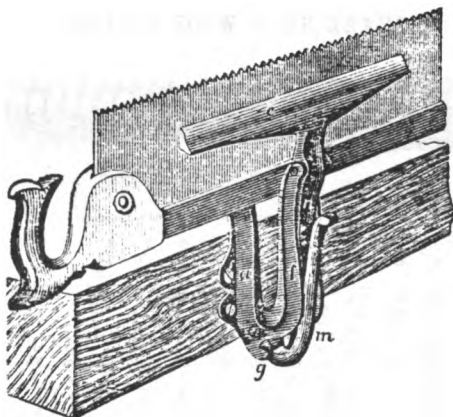
J. R. Spencer &amp; Son's Single cut.

Henry Diaston &amp; Son's Second cut.

|         | DOZ.   | EACH. |         | DOZ.   | EACH. |
|---------|--------|-------|---------|--------|-------|
| 6 inch, | \$2 43 | 24c.  | 6 inch, | \$2 55 | 25c.  |
| 7 "     | 2 95   | 30    | 7 "     | 3 10   | 30    |
| 8 "     | 3 65   | 34    | 8 "     | 3 80   | 38    |
| 9 "     | 4 15   | 40    | 9 "     | 4 30   | 42    |
| 10 "    | 5 20   | 53    | 10 "    | 5 40   | 50    |
| 11 "    | 6 25   | 60    | 11 "    | 6 30   | 60    |
| 12 "    | 7 45   | 72    | 12 "    | 7 30   | 75    |

:O:

## SAW FILER'S CLAMP.

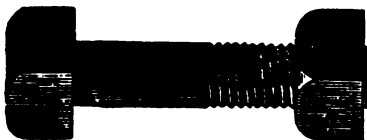


No. 1.

|                           |   |   |   |   |   |              |
|---------------------------|---|---|---|---|---|--------------|
| No. 1. Saw Filer's Clamp, | . | . | . | . | . | each, \$2 00 |
| " 2.                      | " | . | . | . | . | " 1 35       |

## MACHINE BOLTS.

With Square Heads and Nuts. Finished Points.



|    |          |       |       |       |       |       |       |       |       |       |       |       |      |       |      |      |      |      |      |      |
|----|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|------|------|------|
| 1  | Length,  | 1     | 1 1/4 | 1 1/2 | 2     | 2 1/4 | 2 1/2 | 3     | 3 1/4 | 4     | 4 1/2 | 5     | 6    | 7     |      |      |      |      |      |      |
| 4  | Per Doz. | 38    | 38    | 38    | 40    | 40    | 40    | 45    | 45    | 50    | 50    | 55    | 60   | 65    |      |      |      |      |      |      |
|    | Each,    | 4     | 4     | 4     | 5     | 5     | 5     | 5     | 5     | 6     | 6     | 6     | 7    | 8     |      |      |      |      |      |      |
| 5  | Length,  | 1 1/2 | 1 3/4 | 2     | 2 1/4 | 2 1/2 | 3     | 3 1/4 | 4     | 4 1/2 | 5     | 6     | 7    |       |      |      |      |      |      |      |
| 16 | Per Doz. | 40    | 40    | 40    | 45    | 45    | 45    | 50    | 50    | 55    | 60    | 65    | 70   |       |      |      |      |      |      |      |
|    | Each,    | 5     | 5     | 5     | 5     | 5     | 5     | 6     | 6     | 6     | 7     | 8     | 8    |       |      |      |      |      |      |      |
| 3  | Length,  | 1 1/2 | 2     | 2 1/4 | 3     | 3 1/4 | 4     | 4 1/2 | 5     | 5 1/2 | 6     | 6 1/2 | 7    | 7 1/2 | 8    |      |      |      |      |      |
| 8  | Per Doz. | 45    | 45    | 50    | 50    | 55    | 55    | 60    | 65    | 65    | 70    | 75    | 80   | 85    | 90   |      |      |      |      |      |
|    | Each,    | 5     | 5     | 6     | 6     | 6     | 6     | 7     | 8     | 8     | 8     | 8     | 9    | 9     | 10   |      |      |      |      |      |
| 7  | Length,  | 1 1/2 | 2     | 2 1/4 | 3     | 3 1/4 | 4     | 4 1/2 | 5     | 5 1/2 | 6     | 6 1/2 | 7    | 7 1/2 | 8    |      |      |      |      |      |
| 16 | Per Doz. | 50    | 50    | 55    | 55    | 55    | 60    | 70    | 75    | 80    | 85    | 90    | 95   | 95    | 100  |      |      |      |      |      |
|    | Each,    | 5     | 5     | 5     | 6     | 6     | 7     | 8     | 8     | 9     | 9     | 10    | 10   | 10    | 11   |      |      |      |      |      |
| 1  | Length,  | 1 1/2 | 2     | 2 1/4 | 3     | 3 1/4 | 4     | 4 1/2 | 5     | 5 1/2 | 6     | 6 1/2 | 7    | 7 1/2 | 8    | 9    | 10   | 11   | 12   | 15   |
| 2  | Per Doz. | 60    | 60    | 65    | 70    | 75    | 75    | 80    | 90    | 95    | 1.00  | 1.05  | 1.05 | 1.10  | 1.15 | 1.20 | 1.25 | 1.35 | 1.40 | 1.50 |
|    | Each,    | 7     | 7     | 8     | 8     | 8     | 8     | 9     | 10    | 10    | 11    | 11    | 11   | 12    | 15   | 15   | 15   | 15   | 18   | 18   |
| 9  | Length,  | 2     | 2 1/4 | 3     | 3 1/4 | 4     | 4 1/2 | 5     | 6     | 7     | 8     | 9     | 10   | 11    | 12   | 15   |      |      |      |      |
| 16 | Per Doz. | 65    | 70    | 75    | 80    | 90    | 1.00  | 1.10  | 1.20  | 1.25  | 1.30  | 1.40  | 1.50 | 1.70  | 1.80 | 2.00 |      |      |      |      |
|    | Each,    | 8     | 8     | 8     | 9     | 10    | 11    | 12    | 15    | 15    | 15    | 18    | 18   | 18    | 20   | 20   |      |      |      |      |
| 5  | Length,  | 2     | 2 1/4 | 3     | 3 1/4 | 4     | 4 1/2 | 5     | 6     | 7     | 8     | 10    | 11   | 12    | 15   |      |      |      |      |      |
| 8  | Per Doz. | 80    | 85    | 95    | 95    | 1.00  | 1.20  | 1.30  | 1.45  | 1.50  | 1.60  | 1.75  | 2.00 | 2.10  | 2.25 |      |      |      |      |      |
|    | Each,    | 9     | 9     | 10    | 10    | 11    | 15    | 15    | 18    | 18    | 18    | 18    | 20   | 20    | 25   |      |      |      |      |      |
| 3  | Length,  | 3     | 4     | 5     | 6     | 7     | 8     | 10    | 12    | 15    |       |       |      |       |      |      |      |      |      |      |
| 4  | Per Doz. | 1.40  | 1.60  | 1.75  | 1.90  | 2.00  | 2.10  | 2.50  | 2.75  | 3.00  |       |       |      |       |      |      |      |      |      |      |
|    | Each,    | 15    | 18    | 18    | 18    | 20    | 20    | 25    | 30    | 30    |       |       |      |       |      |      |      |      |      |      |

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## SQUARE HEAD WOOD SCREWS.



|           |          |       |       |       |       |       |       |       |      |       |      |       |      |      |      |      |      |      |      |  |
|-----------|----------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|------|------|------|------|------|------|--|
| <b>5</b>  | Length.  | 1 1/2 | 2     | 2 1/4 | 3     |       |       |       |      |       |      |       |      |      |      |      |      |      |      |  |
| <b>16</b> | Per Doz. | 35    | 38    | 38    | 40    |       |       |       |      |       |      |       |      |      |      |      |      |      |      |  |
|           | Each.    | 4     | 4     | 5     | 5     |       |       |       |      |       |      |       |      |      |      |      |      |      |      |  |
| <b>3</b>  | Length.  | 1 1/2 | 2     | 2 1/4 | 3     | 3 1/4 | 4     | 4 1/4 | 5    | 5 1/4 | 6    | 7     | 8    |      |      |      |      |      |      |  |
| <b>8</b>  | Per Doz. | 40    | 40    | 42    | 42    | 45    | 45    | 50    | 55   | 60    | 65   | 70    | 75   |      |      |      |      |      |      |  |
|           | Each.    | 5     | 5     | 5     | 5     | 5     | 5     | 6     | 7    | 7     | 7    | 7     | 8    |      |      |      |      |      |      |  |
| <b>7</b>  | Length.  | 1 1/2 | 2     | 2 1/4 | 3     | 3 1/4 | 4     | 4 1/4 | 5    | 5 1/4 | 6    | 7     | 8    |      |      |      |      |      |      |  |
| <b>16</b> | Per Doz. | 40    | 42    | 45    | 45    | 45    | 50    | 55    | 60   | 62    | 65   | 70    | 75   |      |      |      |      |      |      |  |
|           | Each.    | 5     | 5     | 5     | 5     | 5     | 6     | 7     | 7    | 7     | 7    | 7     | 8    |      |      |      |      |      |      |  |
| <b>1</b>  | Length.  | 1 1/2 | 2     | 2 1/4 | 3     | 3 1/4 | 4     | 4 1/4 | 5    | 5 1/4 | 6    | 6 1/4 | 7    | 8    | 9    | 10   | 11   | 12   | 15   |  |
| <b>2</b>  | Per Doz. | 45    | 45    | 45    | 50    | 50    | 55    | 55    | 60   | 65    | 65   | 70    | 75   | 80   | 85   | 90   | 1.00 | 1.10 | 1.25 |  |
|           | Each.    | 5     | 5     | 5     | 6     | 6     | 6     | 6     | 7    | 7     | 7    | 7     | 8    | 9    | 9    | 10   | 11   | 12   | 15   |  |
| <b>9</b>  | Length.  | 1 1/2 | 2     | 2 1/4 | 3     | 3 1/4 | 4     | 4 1/4 | 5    | 5 1/4 | 6    | 7     | 8    | 9    | 10   | 11   | 12   | 15   |      |  |
| <b>16</b> | Per Doz. | 60    | 60    | 60    | 65    | 65    | 65    | 70    | 70   | 75    | 85   | 90    | 1.00 | 1.10 | 1.15 | 1.25 | 1.50 |      |      |  |
|           | Each.    | 6     | 6     | 6     | 6     | 6     | 7     | 7     | 7    | 8     | 9    | 10    | 11   | 12   | 15   | 15   | 18   |      |      |  |
| <b>5</b>  | Length.  | 2     | 2 1/4 | 3     | 3 1/4 | 4     | 4 1/4 | 5     | 6    | 7     | 8    | 9     | 10   | 11   | 12   | 15   |      |      |      |  |
| <b>8</b>  | Per Doz. | 55    | 55    | 60    | 60    | 65    | 70    | 75    | 80   | 90    | 1.00 | 1.15  | 1.30 | 1.40 | 1.50 | 1.75 |      |      |      |  |
|           | Each.    | 6     | 6     | 7     | 7     | 7     | 7     | 7     | 8    | 9     | 10   | 11    | 12   | 15   | 15   | 18   |      |      |      |  |
| <b>3</b>  | Length.  | 3     | 3 1/4 | 4     | 4 1/4 | 5     | 6     | 7     | 8    | 9     | 10   | 11    | 12   | 15   |      |      |      |      |      |  |
| <b>4</b>  | Per Doz. | 85    | 90    | 1.00  | 1.05  | 1.10  | 1.20  | 1.30  | 1.40 | 1.50  | 1.65 | 1.80  | 2.00 | 2.25 |      |      |      |      |      |  |
|           | Each.    | 9     | 10    | 11    | 11    | 12    | 12    | 15    | 15   | 18    | 18   | 18    | 20   | 20   |      |      |      |      |      |  |

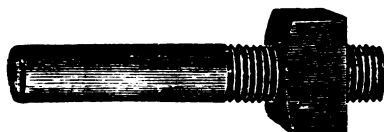
## SET SCREWS—Square Heads.



|                |                               |                           |                           |              |                           |                           |                           |               |
|----------------|-------------------------------|---------------------------|---------------------------|--------------|---------------------------|---------------------------|---------------------------|---------------|
| $\frac{3}{8}$  | Length,<br>Per doz.,<br>Each, | $1\frac{1}{2}$<br>36<br>5 | $1\frac{3}{4}$<br>38<br>5 | 2<br>40<br>5 | $2\frac{1}{4}$<br>40<br>5 | $2\frac{1}{2}$<br>42<br>5 | $2\frac{3}{4}$<br>43<br>5 | 3<br>45<br>5  |
| $\frac{7}{16}$ | Length,<br>Per doz.,<br>Each, | $1\frac{1}{2}$<br>40<br>5 | $1\frac{3}{4}$<br>42<br>5 | 2<br>43<br>5 | $2\frac{1}{4}$<br>44<br>5 | $2\frac{1}{2}$<br>45<br>5 | $2\frac{3}{4}$<br>48<br>6 | 3<br>50<br>6  |
| $\frac{1}{2}$  | Length,<br>Per doz.,<br>Each, | $1\frac{1}{2}$<br>48<br>6 | $1\frac{3}{4}$<br>50<br>6 | 2<br>52<br>6 | $2\frac{1}{4}$<br>54<br>6 | $2\frac{1}{2}$<br>55<br>6 | $2\frac{3}{4}$<br>58<br>7 | 3<br>60<br>7  |
| $\frac{9}{16}$ | Length,<br>Per doz.,<br>Each, | $1\frac{1}{2}$<br>55<br>6 | $1\frac{3}{4}$<br>56<br>6 | 2<br>58<br>7 | $2\frac{1}{4}$<br>60<br>7 | $2\frac{1}{2}$<br>62<br>7 | $2\frac{3}{4}$<br>65<br>8 | 3<br>70<br>8  |
| $\frac{5}{8}$  | Length,<br>Per doz.,<br>Each, | $1\frac{1}{2}$<br>68<br>8 | $1\frac{3}{4}$<br>70<br>8 | 2<br>72<br>8 | $2\frac{1}{4}$<br>75<br>8 | $2\frac{1}{2}$<br>78<br>8 | $2\frac{3}{4}$<br>80<br>9 | 3<br>85<br>10 |

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## BOLT ENDS.



Price per pound.

|                    |                |                |                |                |                |         |
|--------------------|----------------|----------------|----------------|----------------|----------------|---------|
| Size of Iron, . .  | $\frac{1}{2}$  | $\frac{9}{16}$ | $\frac{5}{8}$  | $\frac{3}{4}$  | $\frac{7}{8}$  | 1       |
| Length, . .        | 8              | 8              | 9              | 10             | 11             | 12      |
| Price per lb., . . | 14             | 14             | 13             | 11             | 11             | 11 cts. |
| Size of Iron, . .  | $1\frac{1}{8}$ | $1\frac{1}{4}$ | $1\frac{3}{8}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ | 2       |
| Length, . .        | 13             | 14             | 15             | 16             | 17             | 18      |
| Price per lb., . . | 11             | 11             | 11             | 11             | 14             | 14      |

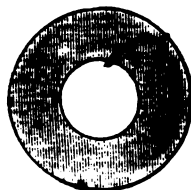
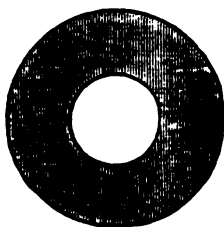
## STOVE BOLTS.



| Size.                            | ¥ 100.<br>Dolla. | ¥ doz.<br>cts. | Each.<br>cts. | Size.                            | ¥ 100.<br>Dolla. | ¥ doz.<br>cts. | Each.<br>cts. |
|----------------------------------|------------------|----------------|---------------|----------------------------------|------------------|----------------|---------------|
| $\frac{3}{4} \times \frac{1}{4}$ | 65               | 15             | 3             | $\frac{3}{4} \times \frac{1}{8}$ | 1.05             | 25             | 3             |
| 1                                | 70               | 15             | 3             | 1                                | 1.10             | 25             | 3             |
| $1\frac{1}{4}$                   | 75               | 18             | 3             | $1\frac{1}{4}$                   | 1.15             | 25             | 3             |
| $1\frac{1}{2}$                   | 80               | 20             | 4             | $1\frac{1}{2}$                   | 1.20             | 28             | 3             |
| $1\frac{3}{4}$                   | 85               | 20             | 4             | $1\frac{3}{4}$                   | 1.25             | 30             | 5             |
| 2                                | 90               | 22             | 5             | 2                                | 1.30             | 30             | 5             |
| $2\frac{1}{4}$                   | 95               | 22             | 5             | $2\frac{1}{4}$                   | 1.35             | 35             | 6             |
| $2\frac{1}{2}$                   | 1.00             | 25             | 5             | $2\frac{1}{2}$                   | 1.40             | 35             | 6             |
| $2\frac{3}{4}$                   | 1.05             | 25             | 5             | $2\frac{3}{4}$                   | 1.45             | 35             | 6             |
| 3                                | 1.10             | 25             | 5             | 3                                | 1.50             | 40             | 6             |

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## STANDARD PRICE LIST OF WASHERS.



| Diameter.      | Size of<br>Hole. | Thickness<br>Wire Gauge. | Size of<br>Bolt. | Price per lb. |
|----------------|------------------|--------------------------|------------------|---------------|
| $\frac{1}{8}$  | $\frac{1}{8}$    | No. 18                   | $\frac{1}{8}$    | 40            |
| $\frac{3}{16}$ | $\frac{1}{8}$    | " 16                     | $\frac{1}{8}$    | 38            |
| $\frac{1}{4}$  | $\frac{1}{8}$    | " 16                     | $\frac{1}{4}$    | 35            |
| $\frac{5}{16}$ | $\frac{3}{16}$   | " 16                     | $\frac{5}{16}$   | 30            |
| 1              | $\frac{7}{16}$   | " 14                     | $\frac{3}{8}$    | 25            |
| $1\frac{1}{4}$ | $\frac{1}{2}$    | " 14                     | $\frac{7}{16}$   | 20            |
| $1\frac{1}{2}$ | $\frac{9}{16}$   | " 12                     | $\frac{1}{2}$    | 20            |
| $1\frac{3}{4}$ | $\frac{5}{8}$    | " 12                     | $\frac{9}{16}$   | 20            |
| $1\frac{1}{2}$ | $\frac{11}{16}$  | " 10                     | $\frac{5}{8}$    | 20            |
| 2              | $\frac{13}{16}$  | " 10                     | $\frac{3}{4}$    | 20            |
| $2\frac{1}{4}$ | $1\frac{1}{8}$   | " 9                      | $1\frac{1}{8}$   | 18            |
| $2\frac{1}{2}$ | $1\frac{1}{4}$   | " 9                      | 1                | 18            |
| $2\frac{3}{4}$ | $1\frac{1}{2}$   | " 9                      | $1\frac{1}{4}$   | 18            |
| 3              | $1\frac{3}{4}$   | " 9                      | $1\frac{1}{2}$   | 18            |
| $3\frac{1}{4}$ | $1\frac{1}{2}$   | " 9                      | $1\frac{3}{4}$   | 18            |



## TIRE BOLTS.



| Size.                             | Per 100<br>Dolls. | Per doz.<br>cts. | Each.<br>cts. | Size.                             | Per 100.<br>Dolls. | Per doz.<br>cts. | Each.<br>cts. | Size.                             | Per 100.<br>Dolls. | Per doz.<br>cts. | Each.<br>cts. |
|-----------------------------------|-------------------|------------------|---------------|-----------------------------------|--------------------|------------------|---------------|-----------------------------------|--------------------|------------------|---------------|
| $1\frac{1}{4} \times \frac{1}{8}$ | 85                | 20               | 3             | $1\frac{1}{4} \times \frac{1}{4}$ | 85                 | 20               | 3             | $1\frac{1}{4} \times \frac{3}{8}$ | 1.45               | 30               | 4             |
| $1\frac{1}{2}$                    | 85                | 20               | 3             | $1\frac{1}{2}$                    | 85                 | 20               | 3             | $1\frac{1}{2}$                    | 1.50               | 30               | 4             |
| $1\frac{3}{4}$                    | 88                | 20               | 3             | $1\frac{3}{4}$                    | 88                 | 20               | 3             | $1\frac{3}{4}$                    | 1.55               | 30               | 4             |
| 2                                 | 90                | 22               | 4             | 2                                 | 90                 | 22               | 4             | 2                                 | 1.60               | 35               | 5             |
| $2\frac{1}{4}$                    | 92                | 22               | 4             | $2\frac{1}{4}$                    | 92                 | 22               | 4             | $2\frac{1}{4}$                    | 1.65               | 35               | 5             |
| $2\frac{1}{2}$                    | 95                | 25               | 4             | $2\frac{1}{2}$                    | 95                 | 25               | 4             | $2\frac{1}{2}$                    | 1.70               | 40               | 6             |

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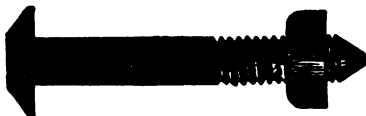
## COLD-PRESSED SQUARE NUTS.

Regular Sizes.



| WIDTH.         | THICKNESS.     | HOLE.          | SIZE OF BOLT.  | PRICE PER LB. |
|----------------|----------------|----------------|----------------|---------------|
| $\frac{1}{2}$  | $\frac{1}{4}$  | $\frac{1}{2}$  | $\frac{1}{4}$  | 30            |
| $\frac{3}{4}$  | $\frac{1}{4}$  | $\frac{1}{2}$  | $\frac{3}{8}$  | 25            |
| $\frac{1}{2}$  | $\frac{1}{4}$  | $\frac{1}{2}$  | $\frac{1}{2}$  | 22            |
| $\frac{3}{4}$  | $\frac{1}{4}$  | $\frac{1}{2}$  | $\frac{3}{8}$  | 20            |
| $\frac{1}{2}$  | $\frac{1}{4}$  | $\frac{1}{2}$  | $\frac{1}{2}$  | 20            |
| 1              | $\frac{1}{4}$  | $\frac{1}{2}$  | $\frac{3}{8}$  | 16            |
| $1\frac{1}{4}$ | $\frac{1}{4}$  | $\frac{1}{2}$  | $\frac{1}{2}$  | 16            |
| $1\frac{1}{2}$ | $\frac{1}{4}$  | $\frac{1}{2}$  | $\frac{3}{8}$  | 16            |
| $1\frac{3}{4}$ | $\frac{1}{4}$  | $\frac{1}{2}$  | $\frac{1}{2}$  | 15            |
| $1\frac{1}{2}$ | $\frac{3}{8}$  | $\frac{1}{2}$  | $\frac{3}{8}$  | 15            |
| $1\frac{1}{2}$ | $\frac{1}{2}$  | $\frac{1}{2}$  | $\frac{1}{2}$  | 15            |
| $1\frac{1}{2}$ | $\frac{3}{8}$  | $\frac{1}{2}$  | $\frac{3}{8}$  | 15            |
| $1\frac{1}{2}$ | $\frac{1}{2}$  | $\frac{1}{2}$  | $\frac{1}{2}$  | 15            |
| 2              | 1              | $\frac{1}{2}$  | 1              | 15            |
| 2              | $1\frac{1}{4}$ | $\frac{1}{2}$  | $1\frac{1}{4}$ | 15            |
| $2\frac{1}{4}$ | $1\frac{1}{2}$ | $\frac{1}{2}$  | $1\frac{1}{4}$ | 15            |
| $2\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | 16            |
| $2\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{1}{4}$ | $1\frac{1}{4}$ | 16            |
| $2\frac{3}{4}$ | $1\frac{1}{2}$ | $1\frac{1}{4}$ | $1\frac{3}{8}$ | 16            |
| 3              | $1\frac{1}{2}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ | 17            |

## CARRIAGE BOLTS, WITH FORGED NUTS.



| Size.                                  | Per 100.<br>Dolla. | Per doz.<br>cts. | Each.<br>cts. | Size.                                  | Per 100.<br>Dolla. | Per doz.<br>cts. | Each.<br>cts. | Size.                                  | Per 100.<br>Dolla. | Per doz.<br>cts. | Each.<br>cts. |
|--|--------------------|------------------|---------------|--|--------------------|------------------|---------------|--|--------------------|------------------|---------------|
| 1 $\frac{1}{4}$ $\times$ $\frac{1}{4}$ | 1.40               | 25               | 3             | 1 $\frac{1}{4}$ $\times$ $\frac{1}{8}$ | 1.62               | 28               | 4             | 1 $\frac{1}{4}$ $\times$ $\frac{3}{8}$ | 2.15               | 35               | 5             |
| 1 $\frac{1}{2}$                        | 1.40               | 25               | 3             | 1 $\frac{1}{2}$                        | 1.62               | 28               | 4             | 1 $\frac{1}{2}$                        | 2.15               | 35               | 5             |
| 1 $\frac{3}{4}$                        | 1.45               | 25               | 3             | 1 $\frac{3}{4}$                        | 1.65               | 28               | 4             | 1 $\frac{3}{4}$                        | 2.15               | 35               | 5             |
| 2                                      | 1.45               | 25               | 3             | 2                                      | 1.75               | 30               | 5             | 2                                      | 2.15               | 35               | 5             |
| 2 $\frac{1}{4}$                        | 1.50               | 25               | 3             | 2 $\frac{1}{4}$                        | 1.80               | 30               | 5             | 2 $\frac{1}{4}$                        | 2.25               | 40               | 5             |
| 2 $\frac{1}{2}$                        | 1.50               | 25               | 3             | 2 $\frac{1}{2}$                        | 1.85               | 30               | 5             | 2 $\frac{1}{2}$                        | 2.30               | 40               | 5             |
| 2 $\frac{3}{4}$                        | 1.55               | 25               | 3             | 2 $\frac{3}{4}$                        | 1.90               | 35               | 5             | 2 $\frac{3}{4}$                        | 2.40               | 40               | 5             |
| 3                                      | 1.62               | 28               | 4             | 3                                      | 2.00               | 35               | 5             | 3                                      | 2.45               | 45               | 5             |
| 3 $\frac{1}{4}$                        | 1.65               | 28               | 4             | 3 $\frac{1}{4}$                        | 2.00               | 35               | 5             | 3 $\frac{1}{4}$                        | 2.55               | 45               | 5             |
| 3 $\frac{1}{2}$                        | 1.65               | 28               | 4             | 3 $\frac{1}{2}$                        | 2.05               | 35               | 5             | 3 $\frac{1}{2}$                        | 2.60               | 50               | 6             |
| 3 $\frac{3}{4}$                        | 1.70               | 28               | 4             | 3 $\frac{3}{4}$                        | 2.13               | 40               | 5             | 3 $\frac{3}{4}$                        | 2.70               | 50               | 6             |
| 4                                      | 1.75               | 30               | 5             | 4                                      | 2.20               | 40               | 5             | 4                                      | 2.75               | 50               | 6             |
| 4 $\frac{1}{4}$                        | 1.80               | 30               | 5             | 4 $\frac{1}{4}$                        | 2.20               | 40               | 5             | 4 $\frac{1}{4}$                        | 2.80               | 55               | 6             |
| 4 $\frac{1}{2}$                        | 1.80               | 30               | 5             | 4 $\frac{1}{2}$                        | 2.25               | 40               | 5             | 4 $\frac{1}{2}$                        | 2.90               | 60               | 7             |
| 4 $\frac{3}{4}$                        | 1.85               | 35               | 5             | 4 $\frac{3}{4}$                        | 2.30               | 45               | 6             | 4 $\frac{3}{4}$                        | 3.00               | 60               | 7             |
| 5                                      | 1.85               | 35               | 5             | 5                                      | 2.30               | 45               | 6             | 5                                      | 3.00               | 60               | 7             |
|  |                    |                  |               | 5 $\frac{1}{4}$                        | 2.50               | 50               | 6             | 5 $\frac{1}{4}$                        | 3.20               | 65               | 8             |
|  |                    |                  |               | 6                                      | 2.60               | 58               | 6             | 6                                      | 3.30               | 65               | 8             |

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## COLD-PRESSED HEXAGON NUTS.

Regular Sizes.



| WIDTH.          | THICKNESS.      | HOLE.           | SIZE OF BOLT.   | PRICE $\Phi$ LB. |
|-----------------|-----------------|-----------------|-----------------|------------------|
| $\frac{1}{8}$   | $\frac{1}{8}$   | $\frac{1}{8}$   | $\frac{1}{8}$   | 42               |
| $\frac{1}{4}$   | $\frac{1}{4}$   | $\frac{1}{4}$   | $\frac{1}{4}$   | 36               |
| $\frac{3}{8}$   | $\frac{3}{8}$   | $\frac{3}{8}$   | $\frac{3}{8}$   | 28               |
| $\frac{1}{2}$   | $\frac{1}{2}$   | $\frac{1}{2}$   | $\frac{1}{2}$   | 25               |
| 1               | 1               | 1               | 1               | 25               |
| 1 $\frac{1}{8}$ | $\frac{1}{8}$   | $\frac{1}{8}$   | $\frac{1}{8}$   | 25               |
| 1 $\frac{1}{4}$ | $\frac{1}{4}$   | $\frac{1}{4}$   | $\frac{1}{4}$   | 22               |
| 1 $\frac{1}{2}$ | $\frac{1}{2}$   | $\frac{1}{2}$   | $\frac{1}{2}$   | 22               |
| 1 $\frac{3}{4}$ | $\frac{3}{4}$   | $\frac{3}{4}$   | $\frac{3}{4}$   | 22               |
| 2               | 2               | 2               | 2               | 20               |
| 2 $\frac{1}{4}$ | $\frac{1}{4}$   | $\frac{1}{4}$   | $\frac{1}{4}$   | 20               |
| 2 $\frac{1}{2}$ | $\frac{1}{2}$   | $\frac{1}{2}$   | $\frac{1}{2}$   | 20               |
| 2 $\frac{3}{4}$ | 1               | $\frac{3}{4}$   | $\frac{3}{4}$   | 20               |
| 3               | 1               | 1               | 1               | 20               |
| 3 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | $\frac{1}{4}$   | 1               | 20               |
| 3 $\frac{1}{2}$ | 1 $\frac{1}{2}$ | $\frac{1}{2}$   | 1               | 20               |
| 3 $\frac{3}{4}$ | 1 $\frac{3}{4}$ | $\frac{3}{4}$   | 1 $\frac{1}{8}$ | 20               |
| 4               | 2               | 2               | 1 $\frac{1}{4}$ | 22               |
| 4 $\frac{1}{4}$ | 2 $\frac{1}{4}$ | 2 $\frac{1}{4}$ | 1 $\frac{1}{4}$ | 22               |
| 4 $\frac{1}{2}$ | 2 $\frac{1}{2}$ | 2 $\frac{1}{2}$ | 1 $\frac{1}{2}$ | 22               |
| 4 $\frac{3}{4}$ | 2 $\frac{3}{4}$ | 2 $\frac{3}{4}$ | 1 $\frac{3}{4}$ | 22               |
| 5               | 3               | 3               | 2               | 22               |

**SHANNON'S IMPROVED ELECTRO-MAGNETIC ANNUNCIATORS.****FOR HOTELS AND DWELLING HOUSES.**

The Electro-Magnetic Annunciator is a remarkable improvement on the Bell Crank Wire Moving device. In Hotels or large dwellings, the contraction and expansion of the bell wires most distant from the bell, render their usefulness, under the most favorable circumstances, very uncertain, and frequently of no use whatever.

In the Electro-magnetic Annunciators, the length of the wires, the number or irregularity of the turns, do not interfere with the successful operation of the Annunciator. A pull a thousand yards distant will operate as easily and certainly as one but one foot distant from the bell. In the view of the Annunciator three numbers are disclosed, as if calls had been made from as many different rooms. As soon as the pull on lever in the chamber is touched, it rings the bell and moves a cover, which shows the number of the room from which the signal came; the number remains uncovered, until by means of the pull in the front of the Annunciator, the cover is returned to its place, so to remain until the lever in the chamber is again touched.

The price per room, including Annunciator, Battery, Wires, Pulls, and putting all in complete working order, for where there is not less than fifty rooms, is seven dollars per room; if less than fifty rooms, special terms will be made; if out of Philadelphia, the fare and board of hands, whilst putting up the Annunciator, will be added.

This Annunciator is worked by closing the circuit. When not in operation no electricity is used; it is simple in construction, and not likely to get out of order. It is simply a question of



battery power, and ample instructions are given, so that any intelligent member of the house can readjust any derangement that may accidentally occur.

They are in use at the following hotels, where they can be seen and examined :

The Colonnade and St. Cloud Hotels, Philadelphia.

“ Irving House, Philadelphia.

“ Exchange Hotel, Wilkes-Barre.

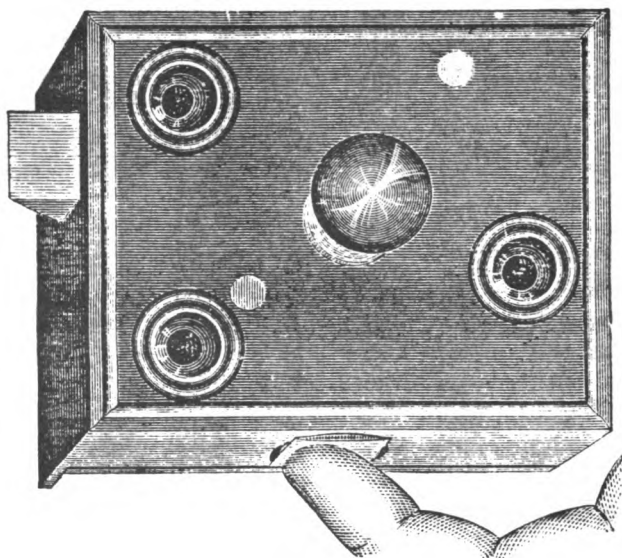
“ Trenton House, Trenton.

“ American House, Allentown.

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### HORIZONTAL SECRET SPRING LATCHES.

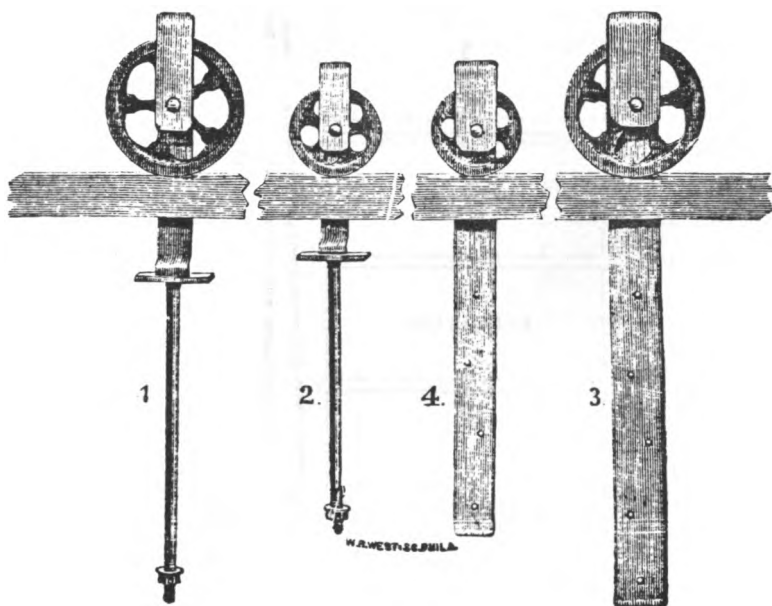
Suitable for Iron Railings, Pew and Office Doors.



No. 80.

|   |  |  |      |        |
|---|--|--|------|--------|
| No. 80, Horizontal Secret Spring Latches, Iron Case, Stationary Composition Knob, Composition Bolt and Secret Spring, |  |  | each | \$1 25 |
| No. 80½, The above Latches Reverse Bevel,   |  |  | “    | 1 25   |
| No. 82, Horizontal Secret Spring Latches.   |  |  |      |        |
| All Brass, Stationary Composition Knob, Composition Bolt and Secret Spring,   |  |  | each | 2 50   |
| No. 82½, The above Latches Reverse Bevel,   |  |  | “    | 2 50   |

## SHEAVES FOR HANGING SLIDING DOORS.



No. 1—Shows a 6 inch with Hand Rail Nut, suitable for a door three feet or more in width, and one and three-quarter inches or more in thickness.

No. 2—Gives a 4 inch, same style of Nut, and intended for lighter doors than just mentioned, in which a lighter Sheave than the 6 inch may be used.

No. 3—Displays a 6 inch, with flat frame to be used where individuals object to boring the doors for the Hand Rail pattern, and also, where appearance is not a matter of importance. Where this form is used the bar is let in flush or level with the surface and painted over.

No 4—Exhibits a 4 inch Sheave of the same fashion as No. 3.

The Frames are all made entirely of Wrought Iron. The Wheels of Iron with a Composition Pin.

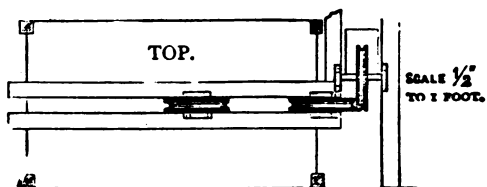
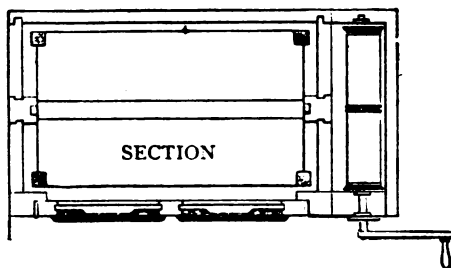
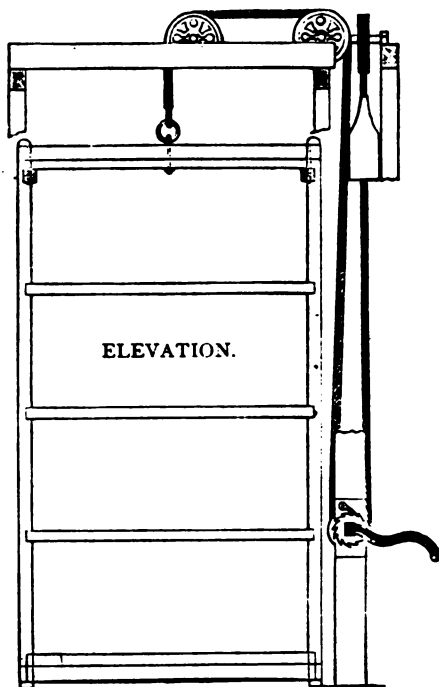
The Rail is a Wrought Iron Bar, two inches wide and one-quarter of an inch thick, dressed semi-cylindrically or round on the upper edge to fit the Sheave, and drilled for screws to fasten it on a horizontal piece of Timber which is attached to the studing.

The Rail may be made heavier if desired.

|                      |        |                      |        |
|----------------------|--------|----------------------|--------|
| 6 inch, No. 1, each, | \$1 50 | 6 inch, No. 2, each, | \$1 50 |
| 4 " No. 2, "         | 1 25   | 4 " No. 4, "         | 1 25   |

Rail, 80 cents per foot.

## DUMB WAITER HOISTS.



The foregoing cut represents a balanced Dumb Waiter moved by a Crank.

It is of a size and price suitable for Dwellings, Stores, Hotels, Hospitals, and Factories.

It is convenient, easy and rapid to operate, and comparatively inexpensive.

There are many in use, the sliding case varying in size from 12 inches square to from 18 or 20 inches by 36 inches, the size being determined by the room that can be spared for such a purpose.

The cut is intended to give an idea of about the size generally used in dwelling houses, and the manner of putting it up.

The Windlass, Crank and Bearings for an ordinary size Dumb Waiter will cost . . . . . \$15 00

1 Rope Eye . . . . . 35

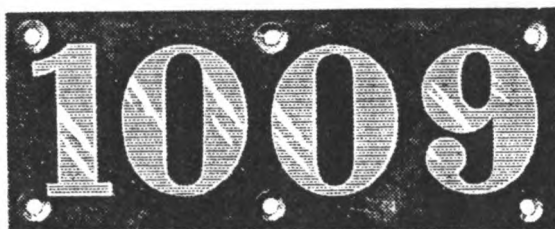
The cost of rope and weight will depend on the length of rope and size of weight.

#### DUMB WAITER WHEELS.

| 4 inch. | 5 inch. | 6 inch. | 7 inch. | 8 inch. |
|---------|---------|---------|---------|---------|
| \$1.00  | \$1.13  | \$1.25  | \$1.40  | \$1.60  |
| 10 inch | 12 inch | 14 inch | 16 inch |         |
| \$1.85  | \$2.50  | \$3.25  | \$3.80  |         |

—:O:—

#### HOUSE NUMBERS.



No. 100.

1½ inch Brass Figures, Mounted on Japanned Iron Plates.

|                               |           |       |        |
|-------------------------------|-----------|-------|--------|
| Number Plate, with 2 Figures, | . . . . . | each, | 50     |
| " " " 3 "                     | . . . . . | "     | 75     |
| " " " 4 "                     | . . . . . | "     | \$1 00 |

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*Bronzed Butts, Bell Pulls and Knobs,*

SHUTTER BARS, SASH LIFTS, VENTILATING SASH FASTS,

BRASS AND IRON DOOR KNOCKERS,

KEY TABS, TWINE CUTTERS,

## SUMMER DOOR ROLLERS,

**CAR DOOR SHEAVES AND LOCKS.**

Hatchway Rollers, Astragal, Tin Bell Tube,

*SPEAKING TUBE, MOUTH PIECES,*

## MOUNTED CRANKS AND BELLS, BELL LEVERS,

BRASS AND PLATED NAME AND BELL PLATES.

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